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CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, JANUARY 30, 1879. NO. 1.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

No. 320 Clay St., (up Stairs) Below Battery,

SAN FRANCISCO.

TERMS OF SUBSCRIPTION:

$2. FOUR ONE YEAR, $4; FOR SIX MONTHS, will be sent gratis. For Five New Subscribers, a Sixth copy $1 additional per year. When payments are delayed six months, for every year delay will be charged, and $1 each year also, City Subscribers delayed thereafter.

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All Letters on Editorial Matters to be addressed to COL. WARREN, Editor.

☞ All Letters on Business connected with the Office should be addressed to

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EUROPEAN.

From our Special Correspondent.

PARIS, January 2d, 1878.

THE CROPS GENERALLY—PHYLLOXERA—GOVERNMENT AID.

The only two crops that have left nothing to desire in the way of yield during 1878, are forage and hemp. Tobacco, in point of abundance, was good, but the quality is inferior; the wine crop is on the contrary excellent in quality, but deficient in quantity; respecting the latter, the phylloxera must be taken into account, and which has now destroyed or attacked, one-fourth of the vineyards of France. The wet season has told on wheat, not so much on barley and rye; oats, maize, and buckwheat are a good ordinary, but in no case was the harvesting effected under sound conditions. The beet and potato crops have proved very unsatisfactory, and that of hops and flax, leave much to desire; the same observation applies to olives and silk. Prospects are at present very bright, however, for French farmers, in the sense, that the new government is actually occupied in deepening rivers, widening and uniting canals, making numerous local railways, and adopting measures to diminish inundations, and to regulate the distribution of water for irrigating purposes. The government has organized an effective sanitary police, to guard against the introduction of diseased stock from foreign countries, and it has done all in its power, legislatively, to avert the progress of the scourge, phylloxera, but not with much success.

THE CATTLE PLAGUE.

The reappearance of the cattle plague in Germany, has at once been met by the usual self-protecting measures on the part of France, over whose eastern frontier, only pigs, and slaughtered meat from Austria, are allowed to cross.

VALUE OF FERTILIZERS.

Respecting the important display of fertilizing matters at the Exhibition, what most struck the visitor was the absence of all show to attract clients. Manufacturers remained content to demonstrate, that the preparation of artificial manures was not behind any chemical or mechanical industry; that the raw materials of these manures, were sought for with intelligence, transformed and combined in a rational manner, with no secrets to conceal, and sold following analysis, and at prices proportioned to intrinsic value. The proofs were conclusive, of the great development in the extraction in France of mineral fossils, in Belgium, of the refinement of chalk phosphates; of the general preference for dissolved and pulverized guano, in place of that fertilizer in its crude state. Serious progress was shown to have been made in the torrification of animal refuse. However, the treatment of night soil, its rational utilization, leaves very much to be desired. It cannot but have also struck the observer, how much commerce stood in need of a common chemical language, for the various preparations which restore to the soil, azote, phosphoric acid, and potash—these three terms are in use on the Continent to express the value of a fertilizer, while England, ammonia, phosphates, and the salts of potash, are the expressions employed.

MANUFACTURE OF FERTILIZERS.

It is only since 1840, when Liebig laid down the imperious law of restitution, that a veritable revolution ensued in the trade and manufacture of commercial manures. In France alone three milliards of francs represent the annual sum employed in the fabrication, etc., of fertilizers. France is also the richest country in the world in fossil phosphate of lime, that employed in agriculture being chiefly derived from the tertiary formation in the form of phosphorite, and as nodules, in the secondary strata; the latter are found in the neighborhood of Lille, Mans, and in the departments of the Meuse and Ardennes, the former are chiefly obtained in Areyron, the Lot, Herault, Farm and Garonne, Beziers, etc. One firm, Desailly, commenced in 1850 to extract nodules in the Ardennes; since then its operations have extended to other parts of France, so that at present it employs 1,000 workmen, and produces 20,000 tuns of phosphate of lime yearly, of which one-third is exported. Some of the phosphates contain from 28 to 33 per cent. of phosphoric acid, and are largely employed in the preparation of superphosphates. The value of the mineral phosphates depends on their mechanical fineness, or pulverization; for the assimilation of a fertilizing matter is more rapid, as the points of contact are more numerous with the dissolving agents of the soil—water, carbonic acid, and organic matter. But there is a limit to the economic action of minerals in the shape of impalpable powder. Thus a tun of triturated feldspar rock, containing 10 per cent. of potash, and costing 66 francs, will be infinitely inferior to the salt easily obtainable in a cheaper and more concentrated state.

[TO BE CONTINUED.]

Foreign Correspondence.

CAIRO, EGYPT, Dec. 6, 1878.

EDITOR CALIFORNIA FARMER—*Dear Sir:*

Before I left California in the fall of 1877, I promised a Southern California fruit grower that I would make the necessary enquiry, at Smyrna, if I would visit that place respecting the method of curing the fig by which the hardness that characterizes the fruit as preserved in California may be prevented.

I took much pains to inform myself as to the climate, soil and the cultivation of the fig and visited the district where the fig orchards are, in order to test the reliablity of the information given me at Smyrna. The first fig orchard I saw was fifty miles from Smyrna near the ancient city of Ephesus. This was on rich alluvial ground near the sea level and beyond this for many miles in a narrow valley the trees extend. The Niles on either hand are of limestone. The climate there is similar to that of San Bernardino with about the same amount of rainfall. There is no rain from April to November and this year there was no rainfall up to the 1st of December. The trees are planted about forty feet apart, although two trees are planted together. The reason given for this was that in case one should fail to grow or should die the other would ensure a tree. These are all female or pistilate trees. The natives regard the staminate trees as wild figs and are only suffered to grow around stone walls and waste places. No irrigation is used. Only the fruit grown in the months of July, August and September are preserved. The first crop are used as fresh figs or allowed to go to waste as not being sweet enough to preserve. About the first of July children gather the green figs from the staminate or wild trees and two or three are fastened to each end of a string about three feet long and three or four of these strings are thrown into each tree where they lodge in the branches, without this they say, the fruit will not come to perfection but drop immature.

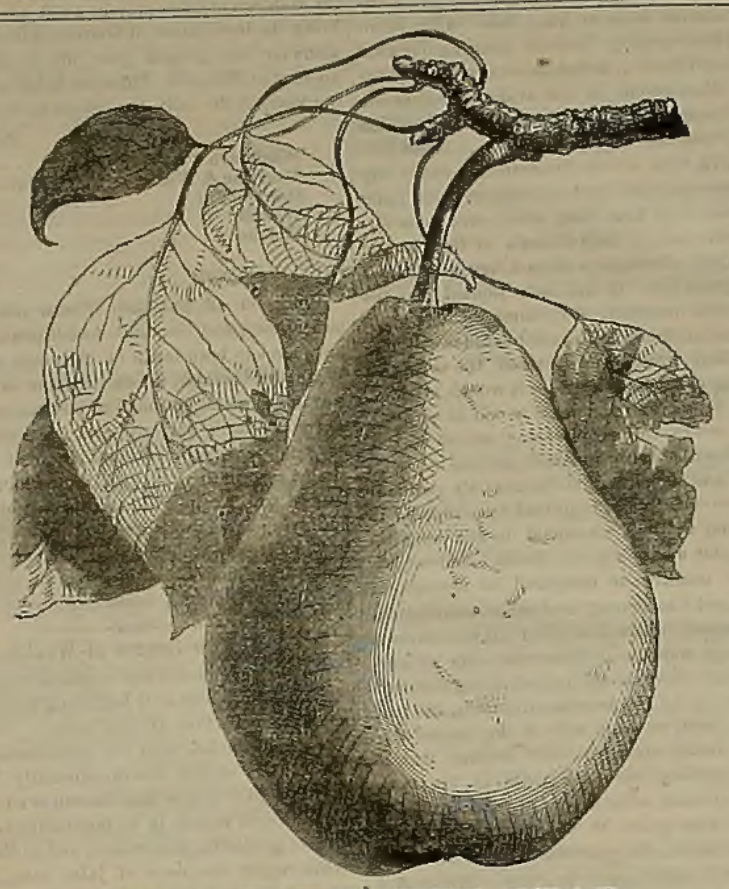
GROWING FIGS IN SMYRNA.

The fig is allowed to hang upon the tree until it falls spontaneously, it is then gathered from the ground and laid in the sun until it has the doughy feel which distinguishes the fruit when packed, it is then placed in boxes and sent to Smyrna where it is sorted into grades and packed in boxes. In packing the packer has near him a dish of sea water with which he keeps his fingers wet. These are the practical facts. It is well known to botanists that the flowers of the fig tree are in a drupe (that becomes the fig), that the staminate flowers and the pistilate ones are on different trees, that the fertilization is affected by insects flying from one to the other and entering at the small opening at the top of this drupe carrying the pollen of the one to the pistils of the other. This may be affected by planting a few of the staminate trees among the others though they will not bear fruit their vicinity is necessary to enable the others to do so. The Smyrna fig is a large greenish, yellow fruit, and when suffered to remain on the tree until it falls spontaneously very sweet. If it ripens too early, before the sun has become sufficiently powerful, it dries hard and tough like the figs usually seen in California. I have seen the blue fig grown and cured on one of the Islands of the Grecian Archipelago as soft and sweet as those of Smyrna. If the development of sugar is sufficient, the fig will dry hard except it be exposed too long to a hot sun. If they are removed too soon before the water has been sufficiently evaporated they will turn sooner. I have no doubt that some section of the interior valleys of California will be found to be adapted to the growth of the fig in as great perfection as that of Smyrna and its proper cure would add greatly to the permanent worth of California.

I have sent home to be distributed among the melon growers, the seeds of the Cassabar melon of Smyrna. It may be no new thing there though I have never seen it. It is a large and luscious melon and has the merit of keeping late in the autumn and winter.

I send also a few seeds of a large melon grown in the greatest perfection on the Ionian Island, of Cephalonia. They are larger though inferior in flavor to the *Cassabar*, the rhind of both is corrugated longitudinally.

Yours,
J. D. B. STILLMAN.



THE BARTLETT PEAR.

The Great Pear for Shipment East.

Home Correspondence.

NOTES FROM SAN DIEGO COUNTY.

SAN DIEGO, January 1, 1879.

COL. WARREN—*Dear Sir:*

The magical onward course of time, at this writing, confronts us with figures, 1879.

The old year has to our country at least closed on scenes of peace, and I might say on one of great prosperity to our country at large.

The main spring of our vitality in production—namely, the farmers of the United States have in conjunction with Nature produced a bountiful crop—this of course affects the money arteries of our financial body and sends the coin circulating through our money marts with energy, in order to pay for and move the same to the most desirable markets. A country based on the corner stone of agriculture for sustenance and prosperity can not possibly financially go down—but I must return to matters pertaining to the heading of this letter—namely, "Notes from San Diego County."

FIRST RAIN OF THE SEASON

Commenced on Christmas eve, and right merrily it was greeted by old and young (for be it known) in this county especially, it is our only bonanza—having no very great mines, railroads, or canals to aid us in developing our resources—but give us say 8 to 10 inches of rain, and this county of Southern California with about 16,000 inhabitants can make a very respectable showing in exports, as the following table will show.

Exports of San Diego County for the year 1878, compiled from reliable sources.

Wheat	1,467,466	pounds.
Corn	41,230	"
Barley	21,149	"
Buckwheat	50,000	"
Pop Corn	1,500	"
Beans	20,138	"
Peas	2,215	"
Potatoes	600,250	"
Honey in Comb	959,575	pounds
" Strained	540,700	"
Total Honey	1,499,275	"
Beeswax	24,700	"
Wool	691,503	"
Hides, Salt and Dry	111,500	"
Skins and Pelts	40,550	"
Manufactured Leather	3,560	"
Tallow	23,000	"
Salt	91,475	"
Dried Fish	283,600	"
Dried Abalone Meat	90,600	"
Abalone Shells	146,983	"
Whalebone	850	"
Guano	43,000	"
Sumac	5,063	"
Whale Oil	17,895	gallons.
Fur Seal Skins	$12,000	
Saddle Mats	7	bales.
Oranges	13	boxes.
Limes	11	"
Olives	3	"
Grapes	6	"
Guavas	1	box.

In addition to our wheat exported, we have yet here in store about same quantity, giving a total total of about 1,600 tons for export.

The total amount of our wool crop is about a million and a third pounds.

HONEY—HONEY—HONEY.

To think that this county alone has exported over 787 tons, seems marvellous, and plainly shows the adaptability of our section for the production of the choicest honey produced in the world, of this large amount forwarded to Eastern and European markets, the well-known mercantile house of Steiner, Klauber & Co., San Diego City, have purchased direct from the producers, for cash, about 300 tons of this amount.

PROSPECTS FOR THE NEW YEAR.

The glorious rains now descending gives promise that our showing of production for 1879, will be at least one-third larger in all articles of export than during the past year.

PERMANENT IMPROVEMENTS

To a considerable amount in dollars have been made during 1878 in San Diego City. The erection of several brick buildings on our main business street. Several fine private residences, with costly work done on our wharf by the Pacific Coast Steamship Company, have all been done under the promise of stability for our future trade and prosperity.

OUR DAILY NEWSPAPERS.

The San Diego *News* and *Union*, the former edited by Mr. J. M. Julian and Mrs. Katie M. Baker; the *Union* by Douglas Gunn, Esq., are really deserving of patronage at home and abroad for their painstaking efforts in closely guarding the interests of our county in all matters pertaining to its advancement.

Wishing a bright year in patronage for the FARMER, with the best of health for the Editor. I must close.

JOHN C. DALY.

A New and Wonderful Grass.

The West India Green Valley Grass yields from 12 to 14 tons hay per acre, and from 3,000 to 5,000 bushels of roots. The grass is preferred by stock to any other, and the roots make the best of feed for all kinds of stock, hogs in particular.

This grass is raised and sold by R. F. Rix & Co., of Hamburg, Iowa. The growers offers good references as to the nature, character and value of this new grass.

We have received a photograph of a bunch of this grass and its roots, also the seed, which can be seen at the FARMER Office.

Parties intending to plant any trees the coming spring should read the advertisement headed "Evergreens & Forest Trees" published in another column, by George Pinney.

THE ARIZONA TRADE.

A few short months ago, and Arizona stood as the great unknown region, over whose trackless deserts and timberless mountains the foot of the traveler had seldom traversed, but where the Indian and renegade Mexican held undisputed sway.

To-day, behold Arizon within our grasp, at our very feet, stretching out her arms, inviting to the feast, and bidding us revel and make merry with her abundant riches and valuable resources. Rejoice California, to-day, that it is our great privilege to control all the great advantages, the future promises, for this vast Territory. The value to our State is incalculable. Its mineral and agricultural resources are fast becoming known to us, and the most sanguine enthusiast has not over estimated them. What were, heretofore, known as trackless wastes, become fertile, producing vallies; timberless mountains, on closer inspection, reveal verdure and vast forests; whilst the rocks and fissures show minerals and traces of nearly every know precious metal. Gold, silver, iron and coal are found in abundance, and the brightest prospect for a high civilization shows itself from one end of the Territory to the other.

Arizona, as a mining country, is now known the world over; but, agriculturally it has been but little considered, the soil has been tested and has spoken and let the fact go forth, that not only will Arizona rank first as a mineral producing country, but the time is not far distant when other States will have to look to their laurels when compared to it, in the production of fruits and cereals.

The question then arises, who shall control this great trade? By right it belongs to California. Shall the San Francisco merchants allow this great treasure to be wrested from them? Let them arise to the emergency, make a final and determined stand against Eastern invasion, for there your enemies are resting on their arms. It rests in your hands to-day to protect yourselves, for if this trade is lost, you alone are to blame.

This apathy which has prevailed amongst our business men must vanish at once, and now life, seasoned with the old time energy must take its place, and the war cry of dull times will be buried in oblivion.

The eye of Eastern capital is directed toward this very land, all your movements and every action is watched and commented upon. At this very moment Eastern capitalists and merchants are studying a way by which the trade of Arizona and Mexico, (for these interests are identical), can be controlled, and whilst the merchants of this Pacific Coast, and especially of San Francisco, are looking indifferently upon this matter, the East is supplanting us foot by foot.

Everything has been done to facilitate and bring these things into your hands, and without a dollar of cost to you, you have been placed within hand shaking distance of this valuable Territory, and now look to it.

The all seeing eye of that gigantic power, our Railroad Builders, grasped the situation at a glance, saw Arizona as it is and without weighing the cost, plunged boldly into, what then appeared, an insurmountable project, and lo, after crossing rough and rugged mountains, pierced with tunnels, and expensive engineering work, and traversing sandy deserts, to vegetation unknown, they are at Arizona's door, knocking to be admitted; a few months more, and on, half across the Territory. All accomplished by the indomitable will, untiring energy, and cool calculating, perseverance of the men, of whom California should be proud to-day to claim as citizens, men whose great aim has been to build up California and make it an empire known and honored world wide.

No fawning and begging before Congressional lobbies, no never to be fulfilled promises, no threats of rival cities, but work, solid, substantial work, with their own brains, their own money, building a road through a country, miles and miles of which can never return them the slightest value. Have they not the welfare of the coast at heart, and are not all their interests centered here? And you, merchants of San Francisco, have you no word of praise? And you, the people of the Pacific, what have you to say?

This road is for you, for the benefit of the coming generation, for California now, and in the future, and yet you sit idly looking on, hurling curses and insinuations, whilst the benefits these Railroad Builders have thrown in your laps are falling to the ground. True, the coast will be benefitted in spite of your whining and fault-finding, but how much quicker and better with your hearty co-operation. Arizona and Mexico will seek a market, and wherever that market may be, will extend and exchange products for products. Let the Pacific States, and California particularly, be that market; and, however, many sacrifices we may now make to control the Arizona trade, they will all be forgotten in the grand commercial reaction that will be sure to follow.

In conclusion, it becomes our duty to look this matter square in the face, there is not a merchant, farmer, or mechanic, who can afford to sacrifice what will be of lasting benefit to this coast, and any lack of duty or neglect of business tact to secure the undivided trade of Arizona, would cause a loss to us all which would be incalculable. We are now on the eve of a great commercial upheaval, a tidal wave of prosperity is soon to sweep through the land, and California must reach the pinnacle of her glory, when this event transpires.

AJAX.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have GRAIN to sell and to keep.

THE GREAT HARVEST YEAR.

EDWARD EVERETT HALE.

[The harvest of the year 1878 is the largest harvest which ripened in America. The exports of food are much greater than ever before.]

The night the century ebbed out, all worn with work and silo,
The night a twentieth century, all fresh with with hope, came in,
The children watched, the evening long, the midnight clock to see,
nd to wish one another "A Happy Century!
ay climbed upon my knee, and they tumbled on the floor,
And Bob and Nell came begging me for stories of the war.

But I told Nell that I could tell no tales but tales of peace—
God grant that for a hundred years the tales of war might cease!
told them I would tell them of the blessed Harvest Store,
Of the year in which God fed men as they ne'er were fed before;
For, till that year of matchless cheer, since suns or worlds were made,
Never sent to other lands such gifts of Daily Bread!

The war was done, and men began to live in peaceful ways,
For thirteen years of hopes and fears, dark nights, and joyful days.
If wealth would slip, if wit would trip, and neither would avail,
"No! the seed-time and the harvest," saith the Lord, "shall never fail."

And to all changes of ups and downs, to every hope and fear.
To men's amaze came round the days of the Great Harvest Year,
When God's command bade all the land join heart and soul and mind,
And health and wealth, and hand and land, for feeding half mankind.

So hot the noons of ripe July, that men took day for sleep,
And when the night shone clear and bright, they took their time to reap;
Nor can the men cut all the grain when hungry worlds are fed,
So the ready Ruths and Orpahs are gleaning in their stead.
All through the heated summer day the Kansas maidens slept,
All through the night, with laughter light, their moonlight vigil kept;
From set of sun the kindly moon until the break of day
Watched o'er their lithsome harvest-work, and cheered them on their way,
They drove their handsome horses down, they drove them up again,
While "click, click, click," the rattling knives cut off the heavy grain:
Before it falls, around the straw the winding wires wind,
And the well-ordered sheaves are left in still array behind.
So laughing girls the harvest reap, all chattering the while
While "click, click, click," the shears keep their chorus, mile by mile;
And lazy morning blushes when she sees the harvest stands
In ordered files, those miles on miles, to feed the hungry lands.

Far in the South from day to day a living tide swept forth,
As, wave on wave, the herds of kine flowed slowly to the North.
Great broad-horned oxen, tender-eyed, and such as Juno loved,
In troops no man could number, across the prairie moved;
Behind, along the wavy line, the brown rancheros rode,
From east to west, from west to east, as North the column flowed,
To keep the host compact and close from morn to setting sun,
Nor on the way leave one estray, as the great tide poured on.
A fair-haired Saxon boy beside commanded the array,
And as it flowed along the road, I heard the stripling say,
"'Tis God's command these beeves shall stand upon the Cheviot Hills,
The land to feed where rippling Tweed the lowland dews distills."
So the great herd flows Northward, as the All-Father wills.

—*Harper's Magazine for January.*

HORSE BREEDING.

THE QUEEN'S PLATE.

The returns which were published at the close of last month with regard to the running for the Queen's Plates this year show that notwithstanding the alteration in the rules, commenced by the late Lord Ailesbury, and continued by the present Master of the Horse, the popularity which they enjoyed about fifty years ago has almost died out. For the fourteen prizes offered in England this season only thirty-nine horses competed, and three were carried off by a walk over; and in Ireland only forty-nine horses competed for the seventeen prizes, two being carried off by a walk over. The fact of the matter seems to be that so much money is now-a-days added to races run over short courses that owners of horses do not think it worth while to compete for the Queen's Plates, which, with only one exception, are not worth above two hundred guineas.

Under such circumstances it may fairly be concluded that the money offered for these Plates is almost thrown away, as little or no advantge accrues either to breeder or racer, and if no better application of the fund can be found it would be as well in her Majesty's pocket.

It has been proposed that with regard to the money which is now devoted to Queen's Plates that it should be used, not for the purpose of racing, but more directly to that of breeding, and that the Master of the Horse should divide it into prises for sires and mares, which should be offered at the annual meeting of such associations as the Royal Agricultural, the Royal Irish, and the Highland Agricultural.

Such an arrangement could be very easily carried out in detail, and would meet high approval, and we believe would work well; but if it were possible we should prefer to see the more ambitious proposal carried out in the formation of stallion depots, such as those which have been so successful in France. It has been erroneously supposed by many people that the French Government attempt to breed horses in their depots; such is not the case, as they merely collect a certain number of sires in each district and place them at the disposal of breeders with a guarantee of their soundness and general suitability.

Such a plan would, doubtless, find much opposition in the United Kingdom, as hitherto horse breeding has been left entirely in the hands of private enterprise, yet we are sure in the long run it would be of immense advantage to breeders and farmers, especially in Ireland, where really good sound sires are difficult to procure.

Undoubtedly horse breeding pays extremely well, especially at the present high prices obtainable for anything decent, and we shall hail with pleasure any measure or proposal tending to make this branch of farming more popular.

BROOD MARES.

What is wanted is a better class of mares and also of stallions. The former can be secured in two ways—first, by discouraging and even prohibiting export of mares, except under a heavy duty; secondly, by utilising mares more largely for cavalry remounts, so as to keep them in the country, and then turning them to breeding purposes in their later years. It has been suggested by the Earl of Charlemont, in his evidence before the Select Committee of the House of Lords which reported upon the supply of horses in Great Britain in 1873, that if the Government would buy their remounts (at all events mares) at three years old instead of at four, they would anticipate foreign buyers, and so keep animals of this class in the country. Foreigners do not buy till horses are four years old. It has been replied that the keep of each remount, from three to four years old—by which time they would be sufficiently mature to stand work—would exceed the saving on the average purchase price. So it would, slightly, but a far better class of animal would be secured, and *per contra*, the supply being cut off to foreigners, hostile cavalry would not be so well mounted, and our own would be not only positively but also relatively improved as compared to their enemy's; thus we should in the long run gain back our money's worth in the relative quality of our country as compared to continental rivals. Lord Charlemont and other large breeders in Ireland relate that after all Government buys a large number of three-year-olds as four-year-olds (at four-year-old prices), being deceived as to their age by the practice of drawing the pair of nipper teeth on each side of the central nippers; the latter having already become permanent, superseding the milk teeth in the same place; the former, after the third year, are in the process of absorption by the permanent teeth. By drawing them, the permanent teeth are made to come more easily, and the horse appears as if he had advanced to the age at which the teeth in question are naturally shed. This deceit is too often practised; an experienced eye may discover it, from a want of proper appearance of wear and growth in the other teeth; but it not unfrequently passes undetected. The loss of Government buyers in paying four-year-old prices for such three-year-olds would at least be saved if Lord Charlemont's suggestions were adopted; and this additional saving would have to be set against the outlay in a year's longer keep before use.

QUALITY OF SIRES.

But there is the quality of the sire, as well as of the dam, to be considered; and here again we have a valuable suggestion from the same authority. This is that sound stallions should be "certificated" by Government, and that such certificated sires should be subsidised by Government, on condition of farmers being allowed to breed from them at a greatly reduced fee. This would make the chance of production of a good foal greater to the farmer and at a less cost than if he bred from some unsound sire at a higher fee. In return, it is suggested that Government should have the option of all stock of such certificated sires (where the farmer has paid the reduced fee) at a fixed price at a certain age. If the farmer did not think it would be worth his while to engage beforehand to sell his stock at this fixed price if called upon, he would only have to decline the benefit of the reduced fee and to pay full price.

VALUE OF SOUND STOCK.

Horse breeding from sound mares and sires can be made highly remunerative. It is the absence of good mares and use of sires bearing inherent defects which cause stock to be so inferior as not to recoup the farmer for his outlay. If these difficulties can be got over in some such manner as suggested by Lord Charlemont, Ireland may yet regain her former position in horse breeding, and the nations generally be benefited by her regeneration in this respect. Lord Charlemont does not speak from bare theory, but from practice, coupled with success. At his stud farm at Roxborough he keeps some 30 to 35 brood mares. These are selected carefully for their shape and constitution, it being his maxim that all constitutional merits and demerits are inherited from the dam, while courage and action come from the sire. We believe it is a fact that in five years past only three foals of all his large produce have been destroyed for malformation; we have known many a stud in which the percentage of malformations has been four and five times as much per cent. A Yorkshire breeder and judge of horses recently asked him—"What do you do with all your bad ones? They do not appear in the sale list nor in the pasture." The answer was—"There are next to no bad ones, in consequence of the care bestowed on the selections of sire and dam." What is now wanted is some action on the part of Government which will secure the retention of the best mares in that country and discourage the use of inferior sires; and the remedy lies in the suggestions here stated. If they can be adopted we may yet see a new phase of "justice to Ireland" in the revival of horse-breeding in that country, a step which would benefit our national military resources, while improving at the same time the fortunes of the sister isle.—*The Farm.*

Butter was first manufactured by the Scythians and Thracians, and was then used as an ointment and as a medicine.

New York owns nearly sixteen per cent. in value of all the milch cows in the country.

MILL BUILDING IN MINNEAPOLIS.

The *Pioneer Press* has the following in regard to the present and prospective additions to the milling capacity of the city of Minneapolis. This will put Minneapolis so far ahead of any of its competitors as the first milling point in the United States that no other place will lay claim to the honor.

There have been or are being constructed the present year the following flouring mills, most of which are running or about ready for business:—

	Run of Stone.
Washburne "B"	30
Pettit & Robinson	30
Anchor	12
Morrison	20
Humboldt	15
Pillsbury's additions	6
Total	123

In the most of these the Hungarian process is being introduced in whole or in part, which adds to the expense, so that an estimate of $7,000 cost for each run of burrs may be a safe one. This will bring the investment in flouring mills at that point alone for the present year up to the enormous amount of $686,000. There are to be built the coming year, at the falls, the following flouring mills:

	Run of Stone.
Washburn "A"	60
Morrison & White	25
Hardenburg	15
Warner	15
Fletcher	20
Total	135

Work on all but the Warner mill is already under way, and for this building arrangements have already been made in the wall of the big Washburn elevator, which it joins on the east. Nor are these all the mills to be constructed here. There are three entirely new enterprises which have never been mentioned in print, which are almost certain to go forward, and which will very largely add to the milling capacity of the city; but laying these aside, and figuring on those sure to be built, and we have at $7,000 per run, an expenditure in flouring mills alone, for next year, of $945,000, or almost a round million.

A New Source of Wealth.

We have mentioned the vegetable *ramie* in these pages before. Now it is beginning to attract public attention. The *Herald* says: "Soon after the close of the late civil war the attention of certain planters in the South, especially Louisiana, was directed to a new fiber known as *ramie*, which it was alleged would, in its production to the acre, be more profitable than cotton, and in its use as a textile supply the place of jute, hemp, flax, and other similar materials. Experiments were made, and still continue in various portions of the South, and the results generally are described as favorable. Thus far, however, it appears that our inventors have not been successful in making machinery whereby the various productions of the fiber—as, for instance, in the construction of paper, coarse cloth, carpet and bagging—can be economically utilized. The concurrent testimony is to the effect that *ramie* is a hardy, easily grown plant, and under certain conditions easily manipulated; that its most important uses are in the germ, and are only awaiting the developments of experience, art, and science, to be made available among the larger industrial resources of the United States. If it be true that from twenty-eight to thirty millions of dollars are annually expended by us for foreign fibers, and that we have within our grasp an equivalent of these materials, surely the country that produced the cotton-gin will not be long in finding the way to add value to a new product, and make for it a market."

The Profits of Wheat Raising.

J. H. Drake & Co, of Chicago, furnish the following information to the *Chicago Tribune*: "In time past, good wheat at 45s in England, $1 20 in New York, and $1 here, were considered safe prices. By reason of cheapened transportation, the marvelous increase in production, and the wonderful inventions in labor-saving machinery, the profit to the spring wheat producer, who has gathered 15 to 25 bushels of wheat from lands costing $3 to $5 per acre, has been an industry so lucrative that it has attracted capital and immigration. It is the fate of commerce in any highly lucrative industry that it attracts capital and labor until supply has overborne demand, and wheat raising, it appears to us, is approaching that period of over-supply, in common with other productions, so that we must lower our estimate of safe values, and barring crop disasters, the figures we have named above can no longer be considered as in years past."

Lucern or Alfalfa in Canada.

"S.," in Ontario, adds his own experience to what we have already given. He says: "In the spring of 1876, a friend in California, sent me a pound of seed, which I sowed on about 1.10th acre, in drills, 10 to 12 inches apart. It came up nicely, was kept clean that season and hoed once in the spring of 1877, since which, no cleaning has been needed. In 1877, it was cut twice (a portion three times), both crops being very good. It was manured in fall of 1877, and this year (1878), there have been four good cuttings, one very heavy, and the rest each apparently equal to a good crop of clover. I can not give weight of crop, as it was all fed green to working-horses, which thrived well upon it, and appeared to like it better than anything else. I had no hope that it would succeed on my land, which is stiff clay with a northern exposure. It has, so far, stood the winter well. My little bit of experience is decidedly favorable, and if I were farming, I would try it more extensively. It is quite possible that, as suggested by Mr. Chapman, one, and the chief causes of success, is the use of *California Seed*, as European seed has been tried in this neighborhood without any encouraging results."

[A Correspondent in the *American Agriculturist* writing from Ontario, on the Canada shore, thus shows the value of the *Alfalfa* there, and how well it stands the cold, this should be noted.—Ed. F.]

Good deeds never perish, they are like perennial flowers, they blossom at every ray of sunshine in the soul.

HUNTINGTON, HOPKINS & CO.

Importers of

HARDWARE, IRON, STEEL, COAL, POWDER, FUSE, BELTING, HOSE, ROPE, ETC.,

Milling, Mining, and BUILDING MATERIAL,

RAILWAY SUPPLIES.

COR. BUSH AND MARKET STREETS, SAN FRANCISCO.

No. 52, 54, 56, 58, K STREET, SACRAMENTO.

N. ASHTON & SON'S

Liverpool Fine Salt.

IN UNIVERSAL USE THROUGHOUT THE EASTERN and Western States, and acknowledged far superior to any other brand of factory-filled salt.

Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March:

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory-filled salt; therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $18; for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams; and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"

For sale by

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48 10 Sole Agents for Pacific Coast.

J. M. NEVILLE. O. H. BRYANT.

NEVILLE & CO.,

Bag, Tent and Hose Factory

33 CALIFORNIA STREET,

South-East Corner of Davis Street,

San Francisco,

[Removed from their old place, 113 Clay Street, to their new and enlarged accommodations.]

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Bags, Burlaps, Duck,

Canvas and Cottons.

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Between Sansome and Battery,

SAN FRANCISCO

MANUFACTURERS AND DEALERS IN

Printing, Hardware, Manilla, and Straw Papers,

PAPER BAGS, TWINE, ETC.

Depot of the Pioneer

—AND—

EAGLE PAPER MILLS.

48:19

SCAB AND TICKS

IN SHEEP.

S. H. KENNEDY'S

NON POISONOUS

SHEEP DIP!

Manufactured by

S. H KENNEDY, Omaha, Nebraska, eradicates the pest. This is the only dip that adds to the staple and value of the wool. It will cure the most obstinate cases—diluted 150 parts hot water, and will not cost A CENT A HEAD each dipping. Packed in ONE and FIVE GALLON TIN CANS.

Dip Scabby Sheep in the Early Spring and Summer as that is the time to eradicate the disease from the skin. Fall and Winter dipping will not cure the Scab, it only holds the disease in check, in the Fall and Winter months, the insect that causes the Scab is forcing his way so deep into the true skin that he cannot be reached or destroyed, while in the early Spring the insect comes to the surface of the skin and is easily eradicated by one or two dippings in my Sheep Dip.

BOOK SENT FREE TO SHEEP GROWERS,

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Wholesale Druggists and Gen'l Agents,
OMAHA, NEB.

JAMES MOORE & CO.,
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J. McCRAKEN & CO.,
PORTLAND, OREGON.

Agents who Sell at Manufacturer's Prices.

49:1

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UNEQUALLED FOR CROSS PLOWING.

Over 10,000 in Use.

Local agents wanted. Descriptive circulars and price list free on application.

Address

Griffith & Burke,

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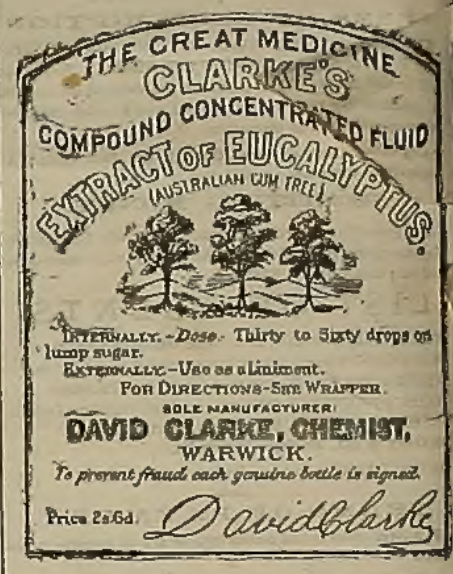
48:21

The Great Medicine!!



We have appointed for the sale of this Medicine advertised our columns the following

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JOHN WOLFE,
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GODBE, PITTS & CO.,
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SALT LAKE CITY, UTAH.

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The Remarkable Cures which have been effected by the Wonderful Remedials, known as CLARKE'S EUCALYPTUS REMEDIES from Australia, have, and are exciting a great influence among all those who have long been sufferers by those terrible sources of suffering, RHEUMATISM, NEURALGIA, DYSPEPSIA, and FEVER AND AGUE.

These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.

Be sure you ask your Apothecary for the true Medicine, DAVID CLARKE'S EUCALYPTUS PREPARATIONS The only Genuine article.

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SOLE AGENTS FOR THE UNITED STATES.

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We desire those who Remit us Money, to send it either in Checks on our *Banks here*, or by Post Office Order, or Greenbacks.

We desire this *specially* of *Newspaper Agents*, or others abroad who send *their Checks* on Home Banks—this occasions delay or expense to us in collecting, while it is just as easy for them to adopt the way we point out, and send us Cash Currency. These are our terms.

WARREN & CO., Publishers FARMER.

25 NEW YEAR CARDS, with name, 20c. 25 ExtraMixed, 10c. GEO. I. REED & Co., Nassau, N. Y. 47:13

Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

MARKET GARDENING.

[*Landreth's Rural Register* for 1879 comes to us freighted as it always has been with most excellent counsel and advice for the cultivators of the soil.

This excellent Annual a "Rural Gift" was first issued in 1847 and has now been over thirty years annually welcomed by hundreds of its friends and readers, David Landreth, senior, began the Seed business with but a few acres—now Landreth & Sons cultivate 1574 acres in the growing of Seeds, their grounds and building are very extensive, as shown in their Plate Number of the Annual, their seed grounds require the use of seventy head of working animals to till the soil and hundreds of working men and women to gather and clean the seed, their buildings are very extensive and require five steam engines to carry the machinery used in cleaning and the other work necessary to prepare their seed for shipment to all the various States in the Union and also abroad.

The House of Landreth & Sons are known the world over—Burnett Landreth, Esq., was at the head of the Agricultural Department of the Great Centennial Exposition, and there won many friends by the great energy he displayed and the good he accomplished for our Country.

Gladly we hail the success of such men in all their labors, the following article on *Market Gardening* and seeds, we clip from their book as worthy a special notice of our readers at this time of SEED PLANTING.—ED. F.]

With the great increase in population, and in the number of towns of large size, gardening for market has wonderfully extended, and some practice it with marked success—for the simple reason they understand their business—supply each season as it comes with the vegetables peculiar to it, or perhaps in some cases anticipate outdoor productions by under glass culture. To inexperienced men, embarking in this business, we say, "be sure you are right, then go ahead." If your opportunities for observation have been limited, move cautiously—make progress slowly—do not attempt too much—a little well done will surely afford profit—much imperfectly performed will as surely end in loss.

VITALITY OF SEEDS.

Seeds properly ripened are, with a few exceptions, as good the second year as the first—indeed, many are so well protected by natural envelopes that they germinate freely after many years. The vitality or germinating power of Seeds is not, however, the most important question to the gardener, for if Seeds fail to sprout the first cost is the principal loss. The quality of the vegetables seeds may produce, is the all important question, and that can only be determined when, perhaps, it is too late in the season to remedy an imposition. Absolute security can be alone found in rejecting seeds peddled through the country, and sold on commission.

SEED RAISING.

In olden times, indeed quite within the recollection of living men, the Seed Trade in the United States was a small interest compared with that of the present day. When our predecessors, the elder Landreths, conducted their business on a few acres, they then supplied the demand, but then the Union embraced but thirteen sparsely populated States, now we number in round numbers forty, and each makes yearly requirements on our firm. These remarks are intended as preliminary to a simple question which we feel intitled to ask the reader: Is not an establishment, such as we represent, in a position to supply Seeds of first quality adapted to all climates, and are not such seeds entitled to greater consideration than those peddled through the country and deposited on sale at every village store?

"Penny wise, pound Foolish," is an adage so old that the most diligent might seek in vain for the period when it originated. It has probably been incorporated into every language, and is in common use by the people of every nation. We hear it quoted almost daily and no one can be found who does not, theoretically, tacitly recognize its force. But how many do we see who in practice totally ignore its teachings. In our own especial business the cases are oft repeated where people, who, to save a penny in the purchase of seed, will risk a dollar. "*Cheap Seeds*" sold on commission at the village grocery are the dearest in the end. Time, labor, hope of profit, are all risked by sowing such.

Frost and Fruit.

But little definite information has yet been received regarding the effects of our late excessively cold weather upon the next fruit crop. The general impression is that the peach buds in all this section of country are killed. Those who have examined them are positive that this is the case. Many claim that the trees are also killed. The mild dry weather of last fall it would seem should have made the wood of the trees unusually tough and hardy, and the dry weather thus far in the winter has been favorable to the preservation of the wood and bark, so we have hopes that a large proportion of the trees will survive.

Mr. S. Johnson, president of the State Horticultural Society, gives it as his opinion that most of the blackberries, raspberries and grapes are killed. We hope he may be mistaken.

Our postal card correspondents will please give us information on the effects of the cold weather on their vines and trees.—*Indiana Farmer.*

SPLENDID

WEEPING TREES.

It may not be known generally that by the aid of science, all the finest kinds of our DECIDUOUS TREES, used for Ornamenting Grounds can now be had grown in the beautiful pendant form, graceful as the Weeping Willow.

The following, of very extra size and form, can now be had for planting this Autumn.

The WEEPING BEECH, MAPLE, BIRCH, ASH, ELM, POPLAR and LINDEN these are the most beautiful Ornamental Trees known, adding grace and beauty to the surroundings of every home and increasing the value of every estate where they are planted.

The plates and drawing, showing these trees in their growing condition, can be seen and these trees secured on applying to

Warren & Co.,
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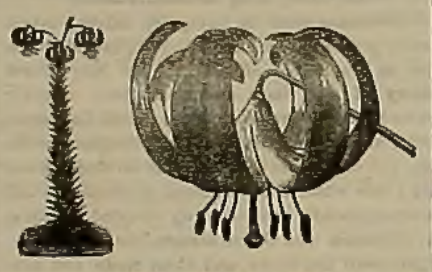

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Bulbs for Autumn Planting.

Collection of the choicest of BULBOUS ROOTS can be had with descriptions of varieties and plates of flowers.

Now is the time to prepare the ground and plant all BULBOUS and TUBEROUS ROOTS in California.

These GEMS planted now will come into bloom at Christmas and New Years.

Orders for supply can be filled by the large or small quantities at

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CARDEN GROUNDS LAID OUT

THOSE WHO WISH THEIR GARDEN GROUNDS Renewed and replanted, or those who desire to have Grounds Designed and laid out upon scientific principles, and with correct taste and skill, as

Adapted to this Climate,

Can have this work done to their satisfaction by calling at this Office, where all the best works on Gardening can be found, and where the various styles, both European and American can be seen. Grounds of any extent, from

ONE THOUSAND ACRES

To small gardens in our City, will be designed and laid out and the Trees, Plants, Shrubs, Vines and Bulbs all supplied of the very best variety and reliable quality, and the work done to complete satisfaction, by calling at the Office of THE CALIFORNIA FARMER.

None but educated men engaged in such work.

Address **WARREN & CO.,**
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ELEGANT SILK DRESS PATTERNS,
GIVEN IN PREMIUMS
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Send for Club-Getter's Special Circular, containing full particulars of this splendid offer.

T. S. ARTHUR & CO.,
227 S. Sixth Street, Philadelphia. 48:18

TO INVENTORS AND MECHANICS.

Patents and how to obtain them. Pamphlet of 60 pages free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 51,
48:19 tf *Washington, D. C.*

Good Cure for Hard Times

A PLANTATION OF EARLY PROLIFIC and RELIANCE RASPBERRIES.

100,000 Plants for sale; also 200,000 Cinderella and Continental Strawberry Plants. Millions of other Plants, Trees, etc. Everything new, novel, and rare. Prices low. Send for Descriptive Circular to GIBSON & BENNETT, Nurserymen and Fruit Growers, Woodbury, N. J. 48:24

SANTA CLARA VALLEY

Nurseries,

ESTABLISHED 1853.

Trees--Plants--Shrubs.

I OFFER FOR SALE THIS SEASON A LARGE AND well assorted stock of Fruit Trees, Shade Trees, Evergreens, and Shrubs; also, Palms, Camellias, Azaleas, Japan Persimmons, Roses and Greenhouse Plants in great variety.

PEAR SEEDLINGS, fine	$15.00	per 1000
ROSES, in variety, fine	15.00	per 100
JAPAN PERSIMMON, 5 varieties	25.00	" "
MAGNOLIA, grandiflora, 6x10 in.	18.00	" "
LAURISTINUS, 6x10 in	10.00	" "
CHINESE MAGNOLIAS, 2 ft.	8.00	per doz.

Special inducements to large purchasers.
Catalogues free on application.

BERNARD S. FOX, Proprietor,
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SAN FRANCISCO.
48:54 3m

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ANDREW H. WARD, Treasurer,

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Prevents Smut and Rust and will increase the Grain, Corn and Cotton Crops twenty-five per cent., and is applicable to all other seeds. Sufficient for one Acre sent by Mail for 50 cents.

WARD'S PREPARATION FOR POTATOES.

Increase the Yield and Prevents the Rot. Sufficient for one bushel Seed sent by Mail for 25 cents.

WARD'S FERTILIZER FOR HOUSE PLANTS
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Odorless. Enough for One Hundred Plants sent by Mail for 10 cents.

WARD'S INSECTICIDE.
(Not Poisonous.)

For the destruction of Insects and Vermin on Plants Fowls and Animals. Enough to make Four Gallons sent by Mail for 25 cents.

All the above most valuable preparations can now be found Wholesale and Retail at the

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—AND—
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Subscription price, monthly.....$1 50 per year.
Semi-monthly..... 300 per year.

Can be had at the Reading Room of THE CALIFORNIA FARMER, 320 Clay Street, San Francisco.

My annual Catalogue of Vegetable and Flower Seed for 1879, rich in engravings, will be ready in January, and sent FREE, to all who apply. Customers of last season need not write for it. I offer one of the largest collections of vegetable seed ever sent out by any seed house in America, a large portion of which were grown on my six seed farms. *Printed directions for cultivation on each package.* All seed *warranted to be both fresh and true to name*; so far, that should it prove otherwise, *I will refill the order gratis.* The original introducer of the Hubbard Squash, Phinney's Melon, Marblehead Cabbages, Mexican Corn, and scores of other vegetables, I invite the patronage *of all who are anxious to have their seed directly from the grower, fresh, true, and of the very best strain.* **New Vegetables a specialty.**

48:21 12t JAMES J. H. GREGORY, Marblehead, Mass.

FARMS, RANCHES
—AND—
LANDED ESTATES FOR SALE.

Now that we have so many settlers of the BETTER-CLASS coming to our State, those who have

Lands, Ranches, Farms,
—AND—
IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms and Libraries in the United States.

Advertisers will be wise that consult our columns.

WARREN & CO.,
CALIFORNIA FARMER OFFICE.

VICK'S ILLUSTRATED MONTHLY MAGAZINE

Each Number contains THIRTY-TWO PAGES of reading, many fine Wood Cut Illustrations, and one COLORED PLATE. A beautiful Garden Magazine, printed on elegant paper, and full of information. In English and German. Price, $1.25 a year; Five copies $5.00.

Vick's Flower and Vegetable Garden, 50 cents in paper covers; in elegant cloth covers $1.00.

Vick's Catalogue,—300 Illustrations, only 2 cents.

Address, JAMES VICK, Rochester, N. Y.

Florida Orange Trees.

However fine our own rich and delicious Oranges are, it is admitted that the the "FLORIDA ORANGE" is one of the most delicious fruits, known the world over—clean and fine in form, thin skinned, and very delicious in its flavor.

Those who desire to enjoy this beautiful fruit, can secure a few trees of this kind just received from Florida.

Price of Trees, $1.75 and $2.50.

Apply at, or send to THE CALIFORNIA FARMER OFFICE
320 Clay Street, San Francisco, California.

SPLENDID **FLOWERS** OVER 1200 Distinct Varieties.
All Strong Plants, each labeled and delivered safely by mail. *Largest assortment. Low prices.* We have been in business 24 years, and *assure satisfaction.* Our stock of **ROSES** comprises *all desirable varieties*, and contains none but mature plants. We send *purchaser's choice* of 6 for $1, or 13 for $2. Our new *Illustrated Hand-Book*, sent free, contains name and description of each plant, with instructions how to cultivate successfully. HOOPES, BRO. & THOMAS, Cherry Hill Nurseries, West Chester, Pa.

47:22

CHOICE

Vegetable and Flower SEEDS

GROWN FOR PRIVATE FAMILIES, OUR MOTTO I

"TEST IS BETTER THAN TALK."

GARDEN MANUAL, full of valuable articles on growing vegetables, useful hints to lovers of flowers, with price list, sent free to all applicants. Address

J. B. ROOT, SEED GROWER,
48:24 ROCKFORD, ILL.

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Large Stock. Low Rates.

STANDARD PEAR TREES A SPECIALTY.

Send stamp for Trade List. AGENTS WANTED.

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NIAGARA NURSERIES. Established 1839. 48:14

VEGETABLE AND FLOWER SEEDS
WE SELL EVERYTHING FOR THE
GARDEN
SEEDS — PLANTS
Descriptive Catalogues of 175 pages sent Free
PETER HENDERSON & CO.
35 Cortlandt St., New York.
FLOWER AND FRUIT PLANTS

49:1

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Chicago and Northwestern Railroad

BETWEEN

COUNCIL BLUFFS AND CHICAGO

No other road now runs or has ever run

Pullman Hotel Cars,

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Or any other form of hotel, dining or restaurant cars THROUGH

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THE CHICAGO AND NORTHWESTERN.

PASSENGERS for Chicago, Niagara Falls, Pittsburg Philadelphia, Montreal, Quebec, New York Boston, or any any point East,

Should Buy their Trans-continental Tickets

—BY THIS—

Pullman Hotel Car Line.

Close connections are made at Chicago with the Lake Shore & Michigan Southern, Michigan Central, Baltimore & Ohio, Pittsburg, Ft. Wayne & Chicago, Kankakee Line and Pan-Handles routes, for all points EAST and SOUTH-EAST.

This road can give you CHOICE of ALL ROUTES from Chicago to the East. It allows its patrons to select the route they may think best. Determine the route you would like to travel over beyond Chicago, and we will be glad to sell you THROUGH TICKETS by it.

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W. H. STENNETT.....General Passenger Agent
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47:11

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Agricultural Tools,

MANUFACTURERS' AGENTS FOR

FORKS, HOES, RAKES, SCYTHES, SNATHS, WHEELBARROWS,
Black Diamond Files and Horse Rasps,
FARM BELLS,
COIL AND CABLE CHAINS.

—ALSO FOR—

BLYMYER M'F'G CO.'S BELLS,

—FOR—

Churches, Schools, AND Fire Alarm

AGENTS FOR THE FAMOUS

"Enterprise" Windmill

(PERKINS' PATENT)

Of which thousands are in use doing their work after years of wear and tear as perfectly as at first. This Mill is positively SELF REGULATING, and upon a plan that no other manufacturers have a right to use.

It will last with proper care for 25 years, while the average usefulness of the best of others is conceded to be *not over 5 years.*

We furnish *our own* Pump also, and hold ourselves responsible for the proper performance of every Mill and Pump we sell.

In buying the "Enterprise" Mill you not only get a Beautiful Mill, (one that can be erected on any kind of a tower or post adorned to suit the taste,) but one that is strong and durable, and has the greatest amount of power of any Mill in the market.

We are prepared to fill orders for all sizes, from a Pumping Mill to a 24 foot Power Mill for running Machinery as well as Pumping.

Please send for descriptive catalogues.

LINFORTH, RICE & CO.,
401 MARKET STREET, Cor. FREMONT,
48:2 SAN FRANCISCO.

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, JAN. 30, 1879.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marble Building—Up Stairs.

FARMER HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms, Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, TWO DOLLARS for five lines or less of space in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half these rates. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

Editor's Chair.

Our Present Number.

With this Number as we have said we enter anew upon a New Year, a New Volume and a New Quarter Century labor—and for our great work we ask our patrons and subscribers at home and abroad to remember us and send promptly their dues to us—we do hope our long devotion to our work will need no other reminder, our Register records their names and deeds.

Home.—We give on our Home page "The Bestest Christmas," a pleasing story of a generous little girl, who was made happy by the right use of her little purse of *twenty-five cents*—if this little child could make so many happy with her little store—how much happiness could be made by the wealthy people of our City by relieving the thousands now in distress, by reason of the general suffering over our City and State—may the example of this noble little girl make others go and do likewise, and thus secure happiness to themselves as well as others.

"Warm Sleeping Rooms," "A Boy's Leisure Hours," "The Power of Love," "Setting the Fashion" on Home Page will pay well for the reading.

Our Poets' Columns we know will interest our many lovers of poetry.

Horticulture.—"Market Gardening" should be read by all who cultivate the soil, and every reader should become acquainted with the excellent Firm of Landreth & Sons, of whom we speak, and send to them for their Seeds and *Register*.

Miscellany.—Great truths told in the Poem on this Page, "When you are Down," is practiced too often in our land now, where all worship the *Golden Calf*, the brief items on this Page will pay to read—the *Argonaut* is sharp.

Agriculture.—A splendid Poem on this Page will be read with interest and pleasure, "Our Great Harvest of 1878" is finely pictured, "Horse Breeding" from the *Irish Farm* presents very important truths, and we hope this Essay will be very carefully noted by the "Horsemen" of our State.

The "Mills of Minneapolis" will astonish our millers by their magnitude, they show how much it costs to prepare "Our Breadstuffs."

"A new Source of Wealth," "Profits of Wheat Raising," "Alfalfa in Canada," this last paragraph shows that Alfalfa is not so tender a clover as many suppose.

Our Front Page.—We call special attention to the valuable Letters upon our Front Page this week, our Paris Letter of much interest, our special Letter from our kind friend, J. B. D. Stillman, Esq., from Cairo, Egypt, with his excellent history of the Fig and the manner of its cure, is a boon to our Fruit growers here—here is the secret for the preparation of our Figs for market—we are highly gratified and grateful to our friend for his valuable Letter and we know our Fig growers will appreciate his information for them.

The Letter of *Ajax* upon the wealth of *Arizona*, is worthy special reading—all that he has said or can say in praise of those who have labored in the Rail Road advancement is well deserved—we pity those short-sighted mortals who rail against Rail Roads and the great good they do.

Records of the Past.—We shall commence a series of the "Records of the Past" in our next. We have a large mass of valuable Letters and history of the early mining and business days of '49 and onward, which are like strange tales of the olden world, we are sure they will interest many that now live that will recall those wondrous times and scenes, tho' sad to think so many have "passed away."

OUR NEW VOLUME.

Think we, or think we not, Time hurries on
With a resistless, unremitting stream;
Yet treads more soft than e'er did midnight thief
That slides his hand under the miser's pillow
And carries off his prize.

Twenty-five years ago January 4, 1854, we issued the first Number of the California Farmer, then the *first* and *only pleader* for the Cause of Agriculture—at that date our people imported nearly all the produce needed in the State, we had *commenced* cultivation, but on a comparative small scale to our present truly extensive operations, and at that date the agricultural interest was esteemed of little moment, as the *Mining Interest* absorbed the attention of our merchants in this City and the Country generally.

The contrast of the years of 1854 and 1879, a period of twenty-five years has wrought a miraculous change, instead of importing our Flour and the principal part of our Breadstuffs, we are sending out our Clipper ships, hundreds annually, to feed the world with our Breadstuffs. the records of our productions seem fabulous to strangers.

Our Grain, 40,000,000 bushels.
Our Wool Clip, 40,000,000 lbs.
Our Wine Harvest, 8,000,000 gallons.
Our Hops, 4,000,000 lbs.
Our Honey, 1,000 tuns.
Our Oranges and Limes, 6,000,000.
Our Raisins, 100,000 boxes.
Our Nut Crop, 50,000 bags.

Our whole agricultural products approximates the grand sum of One Hundred Million of Dollars Annually.

With such a glorious contrast our people should be rich and happy, and would be, had not the greater amount of the wealth of our State been diverted from agriculture, manufactures and the mechanics' arts, to the wild Mining schemes and speculations, which has greatly retarded the true prosperity of our State.

We briefly state the above facts now as contrasting the past and the present, our purpose is simply to say a few words for our own work and for ourselves.

Twenty-five years' labor in the Cause of Agriculture we think has proved our love and devotion to it, and while we sail under the proudest title that can be given to any Journal on this Coast—the California Farmer—being combined with the proud name of our State and also the noblest employment to which man was ever called—a farmer, we shall still labor to make *our Journal* deserve and win that title which has been given to it by the wise and good everywhere, both at home and abroad.

The California Farmer we claim has ever been the true and firm friend of California and California interests, and we shall never fail to labor for the promotion of the great Industrial Interest of our State, while life and strength and being lasts.

We have never sought to win favor or applause from the crowd, by truckling to creed, sect or party.

We have never bowed the knee, "where thrift doth follow, fawning," we have aimed earnestly and faithfully to work out, to develop and to encourage all and every enterprise that would raise, build up and make the State of our adoption stand high and honorable before the world, and thus place our State high on the roll of our sister States, honored, known and esteemed of all men.

Such has been our aim for the Twenty Five Years we have labored, and we now, as we enter upon our *second* "Quarter Century" appeal to our friends and patrons to give us goodly words of cheer and that cheerful co-operation in our work that such a long life labor deserves.

With these few words in our own behalf we tender to our many patrons and friends, many that have been with us the whole twenty-five years, our most grateful thanks for their good will and to our Cotemporaries who have been kind, the same grateful thanks for all their favors, and wishing all God speed, our watchword is, Onward.

A CALIFORNIA WINTER.

We think we are correct when we say the present month of January and adding the last of December, has been by far the coldest weather and of the longest duration that our people have ever experienced; and well can we say with *Goldsmith*,

"And Winter lingering, chills the lap of Spring."

Our climate seems changing, and is more like some of our raw Eastern autumns, than the usual bright and balmy weather we have always had at this season.

The long continued cold weather has been a great check to farming and planting operations, for till very recently it has been not only cold and freezing weather, but a dry spell also, and unusually so—the cold and frost, however, was a certain precursor and inducer to the glorious rains that have now come to gladden and benefit our whole State, and start again the active work so long delayed.

While we state that the weather in California has been unusually cold and of long duration, it willbe remembered that the present winter has been an unusual cold one all over our own country, even to the balmy vales of Florida, and never before have our Eastern States suffered more with cold than the present year, and this severe weather has also been felt in "Sunny France," and "Bonnie England," where they have had snow and ice to their heart's content.

As we stated in our last issue, we look for some good results to flow from this cold snap, as we feel sure that our orchards and vineyards by their longer rest will escape all late frosts and thus produce larger, better and more perfected fruit—than if we had mild and warm weather in January, so as to bring our fruit trees into bloom as is often the case in January and February—these will now be so delayed and kept back as to come forward with greater vigor and health of growth when the season fully opens. And thus our orchardists may draw comfort and cheer out of what seems at first an untimely check to their hopes.

Ohio has twenty-three linseed-oil establishments.

FROST AMONG THE ORANGE TREES.

There has been a very great anxiety among our Orchardists since the late cold spell, in regard to the effect of the frost and cold upon the Orange and Lemon trees and other *Semi-tropical* fruits.

Although California has had a rough touch of cold with frost and ice, we do not think we need fear much as to the grand results of years to come in the culture of Oranges, Lemons and other Semi-Tropical Fruits, for even famed Florida has had the Orange and Lemon trees cut down—even just now the reports come of excessive cold weather and the injury to the Orange Groves of that sunny place.

We have seen the effect of the frost at Santa Clara and at San Jose, where as we reported in our last, Oranges and Lemons were handled severely, we do not think the trees will be very seriously injured—some will lose their last year's growth and will require to be headed back and carefully nursed a little, and this hardening may prove for their good eventually.

We have just received a Letter from our esteemed friend, Prof. A. Cichi, S. J., of Santa Clara College, of whom we made inquiries as to the effect of the frost upon the full Orange and Lemon trees in the Gardens of the College.

Prof. Cichi gives us the result of the cold there. and says:

"The effect of the protracted spell of frost told dreadfully on small Orange and Lemon trees all through the Valley, I think that *two-thirds* of those on open plain lands will die, as for the College I may tell you that of about forty Orange and Lemon trees in our Villa not one suffered from the frost, even the Acacia speciosa which every year is more or less frost bitten, this year did not experience any frost bite."

We are glad to know the very fine Orange and Lemon trees in the Villa Garden escaped, for they are fine trees, being 10x12 feet high and in fine fruiting condition, it would have been hard to have lost them.

We hope however as a general result, the great mass of trees thus frost bitten will recover and renew their life.

We have also a Letter from Dr. J. Strentzel of the Alhambra Gardens, Martinez, who says:

"Water froze ¼ inch thick, thermometer from 28 down to 24, the old Orange trees around my house hardly nipped in their tender buds, young trees very little, no bark splitting—all those standing within the influence of Eucalyptus wood breaks perfectly fresh."—Dr. S. is an experienced Orange Grower, and his Essays we published some time since were the best teachings ever yet given to the Press, these we shall republish.

MADAME JAFFA, PIANIST.

This truly distinguished Pianist and most amiable Lady teacher of Music, having been absent in Europe for about one year has recently returned to our City.

The numerous friends of this Lady have most urgently desired to show their just appreciation of a most excellent artist and superior teacher, have requested her to announce a "Grand Concert of Music" to be given in this City on the evening of February 20th.

It need only to announce this fact to secure such an appreciative full concert as is rarely seen in our City.

We know that our community is continually called upon and invited to concerts of all kinds—but in the present case this is one of those rare opportunities that seldom occurs, when one so worthy and gifted is called before the public by the spontaneous wish of those who truly desire to pay an honorable tribute to great merit.

This Concert will be announced at early day with full particulars.

The Nevada Nursery.

We ask attention of all who are now planting "Fruit Trees," "Nut Trees," "Strawberry Vines," etc., to the new advertisement of Felix Gillet, of Nevada City, one of our very progressive nurserymen, ever developing new and valuable species of Fruits, Nuts, etc. We have received his excellent catalogue and also a parcel of his new Walnuts bearing the name "Pinepartarian," and said to be the finest grown.

The new Strawberries by Mr. G. are very extra variety of French origin, and wonderful in size and splendid in quality.

Our Salmon Fisheries.—We have received a valuable letter upon "Our King Fish," from a valued friend, in reply to our editorial on the "Salmon Trade," published December 26, 1878, we are glad to have the letter for publication, as it has accomplished our great aim to call out just the information needed to show the value to the world of dissemination of Fishes Spawn—the Letter, a long one, will be given in our next.

☞SEND THE FARMER ABROAD.☜

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, if they send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a Journal as the California Farmer. We know our Journal is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the home circle everywhere, as a Journal free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, special premiums of seeds are donated with the paper, to benefit our State.

Maine has more oxen and sheep than either of the other New England States.

Vermont raises more potatoes to the acre than any other New England State.

SAN FRANCISCO PRODUCE EXCHANGE.

Report of Flour and Grain in the State of California, on January 1st, 1879, as taken by the

W. H. WALKER, Secretary.

	Flour Bbls.	Wheat Ctls.	Barley Ctls.	Oats Ctls.	Corn Ctls.	Rye Ctls.
San Francisco and Oakland Wharf, incl. Wheat afloat in harbor	47,654	584,631	467,700	104,177	43,949	18,784
Northern Coast, Russian River and Petaluma	2,100	98,300	14,300	5,100	5,300	100
Napa Valley R. R. Vallejo, and California Pacific R. R.	9,925	842,882	59,165			
Sacramento Valley and River	11,550	726,055	28,487			
Lower Sacramento, Lower San Joaquin and Suisun Bay		97,400	43,500			
San Francisco Landings, east side	59	163,100	207,600			
W. P. R. R. from San Leandro to Livermore	200	333,000	183,100	1,705	1,330	
Stockton to San Joaquin	1,800	2,350,200	563,000	940	300	
R. P. R. R. from Redwood to Hollister, including Alviso		500,100	100,000	10,200	2,000	
Salinas and Pajaro Valley		53,400	153,300	12,250		
Southern Coast	2,452	57,100	307,000	2,600		
Totals	76,190	5,781,108	2,207,142	137,042	52,579	18,884

We have been kindly furnished with the grain report which appears in our columns, by the courtesy of the Secretary, to whom we tender thanks.

Changing flour into wheat, and with other grain, this shows 8,597,326 centals, equal to 4,298 tons and a fraction of grain on hand, and we may safely say a full half million tons on hand.

MESSRS. NEVILLE & CO.

The Great Bag Establishment.

Californians never do things by halves—this is clearly proved by the energetic Firm named above, who as Proprietors of the Pioneer Bag Manufactory of our State and Coast have recently shown by their new Warehouse 31x33 California street, one of the finest and most complete buildings, and one of the best locations for trade in our City; this whole Establishment is complete in all its arrangements, conspicuously situated, fronting on California and Davis streets, the great thoroughfares of the Grain and Flour trade and near to Rail Road and Wharf landings, it gives them a very commanding access to business.

The Firm of Neville & Co., as we have said are the Pioneer House in this trade, the senior partner, Mr. Neville, commencing that business as far back as "'52" in Benecia, and ten years afterward the Firm of Lewis & Neville was established in this City on Clay street, which by the death of Mr. Lewis was changed to that of Neville & Co., the new partner, G. H. Bryant, being the present member of the Firm of Neville & Co.

Their new Warehouse is one of the most spacious and complete for this trade of any on this Coast, it is 30x137½ and with an immense basement, makes a splendid Warehouse of four stories high, the *basement* for their heavy stock, the *first floor* for counting rooms and general business and delivery—the *second floor* for Bag making, where is a world of machinery and busy life—and the *third* for Tent making, Awning cloths and Wagon covers, of which they do the principal trade.

A portion of this story is devoted to a fine Printing and Electrotyping department by which they print the bags with names and designs, thus sending out the handsomest Flour bags made and stamped ready for use, with names of the *Flouring Mills*, or if desired, names of the *Grain Growers*, when they so wish.

When we go back to early years and remember the cumbersome 200 lbs. sacks of chili flour used here in 1849 to '53, and compare them with the neat 50 or 100 lb. sacks from the factories of Neville & Co., we certainly see the mark of progress.

This Warehouse is worthy a special visit to note this progress, and also to examine the neat and excellent illustrations of their business painted upon their building on the Davis street front, it is in better taste and shows more skill than many of what are called *paintings* now sold at "Picture Stores" we gladly note the progress of this Firm and hail their success with pleasure.

THE MONEY POWER.

The Office and Power of Money.

It will be remembered by our readers that in the months of October and November last we published a series (three Essays) on the Power, Office and Influence of Money, its uses, etc., these Essays were published in the *Boston Post* and were widely republished and commented upon and as highly approved by Bankers and Financiers over our Country, who were the advocates of a sound and honest currency.

These papers were in such demand that the author of them was called upon to issue them in pamphlet form, which is now being prepared in Boston, soon to be widely disseminated, we have just received an advance copy of the introduction pages, and will soon have copies of this work in our City, to be had at Farmer Office.

The author of these Essays has recently been appointed to a very important and responsible post, as will be seen by the annexed notice we take from a Boston paper:

The large number of friends and acquaintances of Hon. G. W. Warren, whose able discussion of financial questions has frequently graced the columns of the Boston papers, will be pleased to learn that he has severed his business connection with New York and will remain in Boston. He has been selected to take in charge the agencies of the 'New York Life Insurance Company," for which he possesses excellent qualifications, and which will unquestionably inure to the large benefit of his principals.

WASHINGTON.

From our Special Correspondent.

Washington, D. C., December 30, 1878.

Col. Warren—*Dear Sir*:

There is one subject of immense importance to come before Congress before many days, which concerns deeply every part of this Nation, and that is a reponse to the inqury what can be done to revive our foreign commerce, to improve our markets, and find a readier sale for our manufactures and natural productions? With advantages such as no other Nation has for turning out almost every article demanded in the South American markets, yet the amount we sell there is less than the fifth rate nations of Europe. While we purchase more of the productions of the South American States than any other Nation, yet we sell less than most of them, and thus we drain our own money market and make ourselves poor in order to enrich the European manufacturers and traders.

The cause for this is found in the fact that all the leading nations of Europe maintain several lines of steamers to all parts of South America, until this year we have had none, and now we have but one, and that receiving no Government aid at all from us, and partly sustained by a postal contract with the Brazilian Government. Now, the practical question is, will we help to maintain the line by paying liberally for carrying our mails, or will we allow the British monopolists to drive us away even from this small but promising foothold of American commerce?

European gold is here to defeat all effort to maintain or extend American commerce or legislation, and the European ship owners put on guerilla steamers to reduce freights and influence our legislators the moment the subject comes up for official action.

The President in his recent message urging Congressional aid to maintain this American line and to extend its field of operations, truly, remarks that "If we have equal commercial facilities we need not fear competition anywhere." This is proved by the fact that before the American Line was put on, the European ship owners dared not run steamers from this country direct, knowing that this would destroy their home trade, but made all return voyages to South America via European ports, where frequently they took cargoes of American goods, thus working directly against the interests of American industries by increasing the burden of transportation and reducing the profits in the same ratio. Sec. Evarts joins the President in the urging some action by Congress in order to secure permanent steamship lines for the benefit of our own people, and this subject is now agitating all parties and finding friends among all classes.

The days between Christmas and New Year's are holidays in Washington more because the Government clerks are in their offices only 3 hours a day than for any other reason. Little business of any kind is transacted, and the chief occupation is the preparations of society people for New Year's day which opens the winter season.

Those interested in politics and Congressional doings are still harping on the Blaine investigation. The Committee had a meeting the other day, intending to begin work at once, but were stopped short at the very outset for want of funds. Then the Potter Committee was appointed, with its $20,000 House appropriation, the Senate reserved for itself the right to use the same amount of money for a similar purpose, and it is supposed that Blaine thought that available for the expenses of his Committee, which the Democrats say is not the case. However, the Solicitor General of the Treasury says there is evidently a misprint in the provision and that the clear intent of the act was to cover just such cases as this. If the decision holds, the Committee will start for the South at once. If not the matter is to be brought up at once on the reassembling of Congress, and meantime the Committee is gathering up its threads of obidence to work fast when once at it. Senator Blaine has sent them his letter of specifications as to what should be proved, and wants many leading Southern Democrats called to testify.

Martha.

TO WOOL GROWERS.

I have for a number of years been Manufacturing, Selling and Using Sheep Dip, with a view of getting an article that will be acceptable to sheep men as a remedy for the disease known as Scab in Sheep. Objections have been made to the use of my Hemlock Dip, on the ground that it was *Poisonous*, and in some cases it produced death when the dip was swallowed, or taken into the stomach by the sheep when dipping; this of course was one objection, and in the hands of inexperienced parties and rude workmen, a sufficient amount of care in using the dip was not observed, and notwitstanding its efficacy as a remedy for the skin disease, parties were constrained to abandon its use through fear of handling it. I have removed the only objection made to the use of my Dip by making and placing on the market an *NON-POISONOUS* Sheep Dip, and I confidentially recommend it as the cheapest and most effectual remedy ever made, and by its use you can eradicate the disease from your flock; try it, it is safe to use at any degree of strength, and is a remedy diluted 100 or 150 parts water.

Yours truly, S. H. KENNEDY,
Omaha, Neb.

Rhubarb Wine.—We have samples of the "Rhubarb Wine" advertised by us in the Farmer, to which we call special attention of wine dealers, as we have it on sale at our office.

Commercial Records of our State.—We have the most excellent Double Sheet of our neighbor, the *Commercial Herald and Market Review*, which appeared this morning, it is the best compilation of statistics yet produced.

We have also scores of Letters, Books, Pamphlets, etc., received too late for notice this numb

GOLDEN RULE BAZAAR,

718 Market St.---419 Kearny St.

Five Stories High, 45 x 200.

CLOCKS! CLOCKS!

Every clock that leaves our salesroom, has been thoroughly run and tested, and is *warranted*, if properly used, to be a good time piece. Following are the price of a few of the many styles we keep:—

Young America—A 30 hour time-piece with porcelain dial.....$1.00
The Eclat—Ansonia 30 hour movement, walnut case, 10½ inches high.....1.25
The Economy—Black or nickle plate, 30 hour time-piece.....2.00
The Gem—Same as above with alarm.....2.50
The Bijou—(See cut) Nickle plated case, patent lever, stem winder.....2.50
The Chief—Metal case, marble finish, gilt lined.....3.00

PEEP O' DAY, ALARM, $3 50.

This has the loudest and longest alarm of any clock made, is fitted with Ansonia Co.'s best movement, screwed pillars, strong plates, silver plated, and requires only one winding for the time and alarm—will go in any position.

The Jupiter—One day striker, patent self-adjusting pendulum, 15 inches high.....$5.00
The Roman—Eight day striker, patent self-adjusting pendulum, 21 inches high.....7.50

Over 50 other styles on hand.

FANCY GOODS.

Photographic Albums	$ .50 to $ 50
Autograph and Scrap Albums	.25 " 5
Japanese Ware—Full assortment	.25 " 10
Writing Desks—Fitted	.75 " 20
Work and Jewel Boxes	.50 " 15
Glove, Handkerchief, Collar and Cuff Boxes	1.00 " 12
Fashionable Fans	.25 " 15
Fire Gilt and Velvet Frames	.25 " 8
Bohemian Glass Vases—Per pair	.75 " 30
Leather Purses—Extra value	.05 " 10
Smokers' Sets—4 pieces	1.00 " 5
Glass and Fancy Wine Sets—8 pieces	1.00 " 15
Decorated and Bohemian Toilet Sets—3 pieces	.75 " 25
Leather Cigar Cases	.25 " 10
Bronze Inkstands and Ornaments	.50 " 20
Opera Glasses—Selected	2.50 " 50
Hand Mirror	.25 " 4
Dressing and Traveling Cases	1.00 " 40
Shopping Bags—Red, black or fancy leathers	.50 " 10
Baby Carriages—A specialty	5.50 " 50
Musical Boxes—Best Geneva makes	2.00 " 250
Pocket Knives—Reliable makes	.25 " 5
Stereoscopes	.75 " 5
Flower Stands and Walnut Tables	1.00 " 10
Chromos—New subjects	.05 " 50

SILVERWARE.

Meriden Brittania Co.'s (Rogers Bro's) celebrated goods. Lowest market rates.

A complete assortment in fashionable jewelry and all minor Toilet and Fancy goods.

SUNDRIES.

A most complete selection of Hats and Gent's Furnishing goods. Colgate's celebrated Toilet Soaps. Imported Perfumery, Hair Oils, Cologne, etc.

Wholesale Catalogues for the trade only. Retail Catalogues, Illustrated Carriage and Illustrated Clock Catalogues free on application.

☞Country Orders Promptly Filled.☜

DAVIS BROTHERS,

718 MARKET AND 419 KEARNY STS, S. F.

35:10

Harper's Weekly.

1879.

ILLUSTRATED.

NOTICES OF THE PRESS.

The *Weekly* remains easily at the head of illustrated papers by its fine literary quality, the beauty of its type and wood-cuts.—*Springfield Republican.*

Its pictorial attractions are superb, and embrace every variety of subject and of artistic treatment.—*Zion's Herald*, Boston.

The *Weekly* is a potent agency for the dissemination of correct political principles, and a powerful opponent of shams, frauds, and false pretenses.—*Evening Express*, Rochester.

The volumes of the *Weekly* begin with the first number for January of each year. When no time is mentioned, it will be understood that the subscriber wishes to commence with the number next after the receipt of his order.

Harper's Periodicals.

HARPER'S MAGAZINE, One Year	$4 00
HARPER'S WEEKLY, " "	4 00
HARPER'S BAZAR, " "	4 00
The THREE publications, one year	10 00
Any TWO, one year	7 00
SIX subscriptions, one year	20 00

Terms for large clubs furnished on application.

Postage Free to all subscribers in the United States or Canada.

The Annual Volume of HARPER'S WEEKLY, in neat cloth binding, will be sent by express, free of expense (provided the freight does not exceed one dollar per volume), for $7 00 each. A complete Set, comprising Twenty-two Volumes, sent on receipt of cash at the rate of $5 25 per volume. Freight at expense of purchaser.

Cloth cases, for each volume, suitable for binding, will be sent by mail, postpaid, on receipt of $1 00.

Remittances should be made by Post-Office Money Order or Draft, to avoid chance of loss.

Newspapers are not to copy this advertisement without the express order of HARPER & BROTHERS.

☞ Address HARPER & BROTHERS, New York.

DAIRY BREEDING CALENDAR

We invite Dairymen who desire a valuable "Dairy Breeding Calendar," containing very valuable items of great value to them, to call and examine the article named above—it is of but little expenses, yet of great value.

CALIFORNIA FARMER OFFICE.

THE AUSTRALIAN GUM TREE.

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

☞Full Directions for Use Accompany every Box.

—ALSO—

CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

(AUSTRALIAN GUM TREE).

THERE is no tree known to science that presents so many valuable properties as the various species of the Australian Eucalypti. As many as one hundred and fifty varieties of this invaluable tree have been discovered. No timbers in the world can compare with those of Australia; for purposes requiring great strength, combined with great durability, they are unapproachable. Owing to an essential volatile oil that exudes from the foliage, epidemic rarely exists in Australia. The entire species are more or less medicinal. Yet after many experiments, I have found that some of the species, most useless as far as their timber is concerned, are of the greatest value as medicine plants.

In the bush bush the gum leaf has often to answer the purposes of the entire medicine chest.

During the past six years I have been experimenting on the various species of the Australian Gum—the roots, the bark, the gum, and the leaves—with great care.

I have found that the gum that exudes from some of the species cannot be excelled for some purposes.

For Rheumatism, Neuralgia, Gout, Sciatica, or any affection of the Nervous System, it appears to be almost a specific, giving immediate and permanent relief. For resolving the attack of Fever and Ague, it is marvelous. It is equally valuable in all diseases of the Liver.

It is essentially necessary during an attack of any of these diseases that the bowels be freely evacuated by a dose of four to six of the "Liver and Bilious Pills" previous to taking the Fluid Extract, and a small dose of the Pills every night will greatly assist the action of the Fluid Extract. For Rheumatism, Sciatica, Gout, Neuralgia, or pains in any portion of the body or limbs, the part affected should be freely bathed with the "Concentrated Fluid Extract."

For Dysentry and Diarrhœa it supersedes all other medicines known. For ordinary cuts, or slight bruises, one application generally suffices.

For Colic, Pains in the Stomach o Bowels, a single dose generally gives relief before five minutes. In bad cases a dose may be taken every half-hour, or hour, till relieved.

TESTIMONIALS.

The manufacturer of these Pills has a great objection to the "wholesale" publication of testimonials, which in many cases are fictitious, and are only intended to mislead. Yet, for the satisfaction of those who are suffering, and have not yet used his medicines, he selects a few, who are best known in the colony and in the town he lives, and their *personal testimony* will satisfy the most sceptical.

These testimonials above named with many from California, since their recent introduction, will quickly show that the

Eucalyptus Remedials

are the best ever yet introduced. Full and ample testimonials accompany all parcels.

MANUFACTURED ONLY BY

DAVID CLARKE,

Wholesale and Manufacturing Chemist,

AT HIS LABORATORY,

WARWICK, QUEENSLAND.

N. B.—These Preparations are only manufactured by me, at my Laboratory, Warwick, Queensland, and none genuine without my signature on each bottle or box.

☞PLEASE REMEMBER!

The only Genuine Medicine of this character are those named above and prepared by DAVID CLARKE, Chemist, at Warwick, Queensland.

Warren & Co.,

SOLE AGENTS

For the United States,

320 CLAY STREET,

SAN FRANCISCO.

N. B.—Responsible Traveling Agents Wanted.

RHUBARB WINE.

A CHOICE NEW ARTICLE.

A DELICIOUS HEALTHFUL WINE.

Manufactured at Omaha, Nebraska, from the VEGETABLE RHUBARB, making a very delicious, palatable, and healthful light wine, differing from any other wine ever yet manufactured, and giving good promise of becoming a very popular wine.

For sale at the CALIFORNIA FARMER Office by WARREN & CO.

THE DINGEE & CONARD CO'S

BEAUTIFUL EVER-BLOOMING

ROSES

We deliver **STRONG POT ROSES** for Winter Bloom and Fall Planting, *safely by mail*, at all post-offices. Five Splendid Varieties, *your choice*, all labeled, for $1; 12 for $2; 19 for $3; 26 for $4; 35 for $5; 75 for $10; 100 for $13. Send for our **New Guide to Rose Culture**, and *choose from over* **500 Finest Sorts.** Our **Great Specialty** is growing and distributing Roses. **THE DINGEE & CONARD CO.,** Rose-Growers, WEST GROVE, CHESTER CO., PA.

49:18 6t

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS

To all Parts of the United States.

J. F. FARNWORTH. - - - - - - - - - - M. T. BREWER.

THE BEST WAGON ON WHEELS

IS MANUFACTURED BY

FISH BROS. & CO.,

RACINE, WIS.

WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

USING NOTHING BUT

First-Class Improved Machinery and the Very Best of Selected Timber,

AND BY A THOROUGH KNOWLEDGE OF THE BUSINESS, WE HAVE JUSTLY EARNED THE REPUTATION OF MAKING

"THE BEST WAGON ON WHEELS."

We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ———, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {TITUS W. FISH, EDWIN B. FISH, JNO. C. HUGGINS,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. **Send for Prices and Terms**, and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.

—OR—

GEO. A. DAVIS,

Manfacturers' Agent for Pacific Coast,

327 MARKET STREET,

48:17 **SAN FRANCISCO.**

BRYDON & CO.,

"ECLIPSE" COLLIERY,

IPSWICH.

MANUFACTURERS OF THE CELEBRATED

"ECLIPSE" COKE.

JOHN M. BRYDON,

Shipping, Insurance, and Freight Broker, Custom House and Forwarding Agent.

AGENT,

Railway Carrying Co.

CITY WHARF,

BRISBANE, QUEENSLAND.

John Rodgers & Co.,

GENERAL STOCK AND SALE YARDS,

—AND—

LIVERY AND BOARDING STABLE,

Cor. Market and Ninth Sts.

Hay and Grain at Lowest Market Rates.

FOR SALE.

An Iron-Gray Stallion, 6 years old, 16 hands high, weight 1200 pounds; untrained, can trot close to 2:40; sound, kind and gentle; "Messenger" stock.

—ALSO—

One Black Stallion, 3 years old, 16 hands high, weight 1250 pounds; has a record of 2:33; sound, kind and gentle.

—ALSO—

A Bay, thoroughbred, Mare, 6 years old; sired by "Lodi," dam, "Mary O'Neil;" has a record of 1:44½.

Can be seen at Bulls Head Stables, Corner of Market and 9th Streets.

42:1 **JNO. RODGERS & CO.**

Evergreens & Forest Trees.

AT RETAIL TO FARMERS AND PLANTER AT

WHOLESALE PRICES.

LARGE STSTOCK, GREATEST VARIETY, CHEAPEST AND BEST.

Send Stamp for Price List.

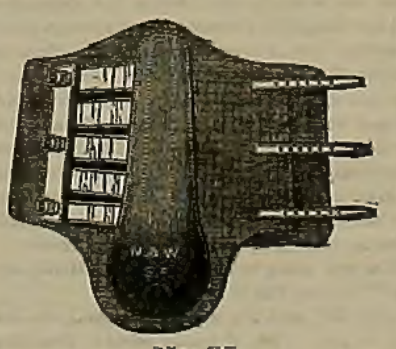
GEORGE PINNEY,

Sturgeon Bay, Wis.

MAIN & WINCHESTER

Nos. 214 and 216 Battery Street,

San Francisco.



No. 35.

ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47:20

ORMSBY HOUSE.

SOUTH CARSON ST. CORNER OF SECOND,

Carson City, Nev.

John T. Pantlind, Proprietor, Late of California.

This old established and well known hotel has been entirely renovated and furnished in the very best style, making it equal in point of comfort to any on the Pacific Coast.

The Table is supplied with the choicest the market afford.

The Culinary Department is presided over by one of the best cooks in the State.

A Corps of Efficient Waiters has been engaged, and families making the ORMSBY HOUSE their home or stopping place, can be sure of the most prompt attention to their wants.

Headquarters for Horsemen and for the stage lines to Bodie, Aurora, and all points south.

Wells, Fargo & Co.'s Express and Banking Establishment and Western Union Telegraph Co.'s office on the same block.

Conveyances to and from the railroad and any other part of town constantly in attendance.

U can make money faster at work for us than at anything else. Capital not required; we will start you. $12 per day at home made by the industrious. Men, women, boys and girls wanted everywhere to work for us. Now is the time. Costly outfit and terms free. Address, TRUE & Co., Augusta, Maine. 47:52

THE

New Zealand Insurance Co

FIRE AND MARINE,

Organized 1859.

Capital, $5,000,000.

With Unlimited Liability of Stockholders.

Capital	$5,000,000
Capital—paid up	1,000,000
Assets	2,019,812
Re-Insurance Reserve	847,685
All Other Liabilities	293,752
Surplus for Policy-holders	1,293,033
Premiums received to May 31, 1878	7,095,633
Losses Paid to Date	4,248,907
U. S. Bonds deposited in Oregon	50,000

UNDERWRITE, THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandise, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

HEAD OFFICE:

NEW ZEALAND INSURANCE COMPANY,

Auckland, N. Z.

HUGH CRAIG, - - - General Agent,

OFFICE, 307 CALIFORNIA STREET,

San Francisco.

OREGON BRANCH:

No. 7 FIRST STREET, PORTLAND,

S. B. RIGGEN - - - - - Agent.

47:12

Felix Gillet's Nursery

NEVADA CITY, CAL.

I offer for sale trees of the following varieties of fruit introduced by me in California, and most all on in full bearing on my grounds, viz:

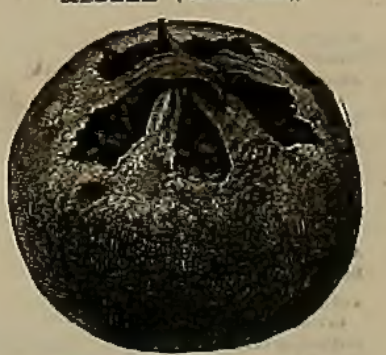
PRŒPARTURIENS WALNUT,

The most precocious of all soft shell varieties of Walnut bearing even when three years old, hardy never frost bitten, a late bloomer, and very productive. First bearing tree in California—at Felix Gillet's Nursery, Nevada City. Fourth crop, 1878.

One Year and Three Year Old Trees for Sale,

One Year Old Trees sent by Mail, at Catalogue Prices, in two feet long packages, Roots 12 inches, Stalk 12 inches.

LATE OR SEROTINA WALNUT,
AFTER SAINT JOHN WALNUT,
MARRON DE LYON CHESTNUT,
MARRON COMBALE CHESTNUT,
ITALIAN,
SPANISH, AND
ENGLISH FILBERTS,
BLACK MULBERRY OF SPAIN.
MEDLAR *(Monstreuse,)*



The largest of all Medlars, standard trees, budded on the White Thorn, five to six feet feet high and ready to bear.

Also, over one hundred varieties of Fruit Trees of all kinds, many of them introduced in California by the undersigned.

Forty varieties of Strawberries, (French, English and Austrian), with full descriptive in Catalogue of 17 varieties carefully selected from 61 varieties tried on my place these last nine years.

☞Send for Descriptive Catalogue and Price List.☜

FELIX GILLET, Proprietor.

42:24

NEW TOOTH POWDER!

The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath.

DAVID CLARKE'S

Eucalyptus Tooth Powder,

The BEST EVER COMPOUNDED and destined to supersede all others.

WARREN & CO., SOLE AGENTS,

320 CLAY STREET, S. F.

25 STYLES OF CARDS, with name in gold, 10 cts. J. B. HUSTED, Nassau, N. Y. 47:14 1y

Home Miscellany.

"There is no place like HOME.
Home! It should be Heaven on Earth

DON'T MARRY A MAN TO SAVE HIM.

SARAH E. BOLTON.

A cry comes over from Oregon
For a car-load—not of women wan,
But of women of brain and blood, and ten?—
"Come, marry these men to save them!

"There are thousands here in these haunts of sin
Spending their money in game and gin,
Corrupt without and corrupt within;
Come, marry these men to save them!

"They have been somebody's pride and joy!
Somebody's petted and pampered boy;
Spoiled for lack of a maiden coy;
Come, marry these men to save them!

"You must be healthy, and pure, and strong,
Alike to breast and bear the wrong,
Willing to carry a burden along;
Come, marry these men to save them.

"You must be leader, but always seem
To be gentle and helpless as love's young dream,
And leaned upon when you seem to lean;
Come, marry these men to save them!

"You must be cleanly, and kind and sweet,
Making a path for their godless feet
Up to the grace of the mercy-seat;
Come, marry these men to save them!"

Oh! Woman, you're sold at a fearful price
If you wed your virtue to a chance device;
And trust your soul to that of vice;
Don't marry a man to save him!

A life that is pure needs a pure one in turn,
A being to honor and not to spurn,
An equal love, that shall constant burn;
Don't marry a man to save him!

A woman's life is a precious thing.
Her love is a rose unwithering,
Would you bury it deep in its early spring?
Don't marry a man to save him.

You can pray for his soul from morn till eve,
You can win the angels to bring reprieve
To his sin-bound heart; but you'll always grieve
If you marry a man to save him.

God gives to Woman a right to press
Her claim to a man's best manliness;
A woman gives all, should a man give less?
Don't marry a man to save him!

—*Woman's Journal.*

THE SENSES.

BY SOPHIA C. GARRETT.

I.—SEEING.

We should not know the world was fair and bright
If God in wisdom had had not given us sight.
Vainly would bloom the flowers with gorgeous dye
If we could not discern them with the eye.

II.—HEARING.

Music's sweet sounds that oft around us float,
Enchanting us with many a varied note,
The song of birds, voices of loved ones dear
Thrill us with joy. God gave us power to hear.

III.—FEELING.

By feeling, too, how many things we learn,
That ice is cold, that glowing fire will burn.
The blind by feeling read and study, too,
What those with sight often will fail to do.

IV.—SMELLING.

The sense of smell many delights disclose,
Sweet balmy air, the perfumes of the rose.
It warns of danger—Bids us haste away
From noxious vapors, lurking where we stray.

V.—TASTING.

This sense was given us that the greatest good
Might be derived from rich or simple food.
With care and prudence we this gift will use,
Nor by unwholesome fare its powers abuse.

—*Chicago Ledger.*

IF ONLY MOTHERS KNEW.

HELEN RICH.

If only mothers knew, she said,
How hungry children are for love,
Above each virgins little bed
A mother's lips would prove
How sweet are kisses that are given
Between a rosy mouth and heaven.

If only my mamma would kneel,
As your dear mother, every night,
Beside her little girl, to feel
If all the wraps are folded light,
And hold my hands, her elbow fair
Between my cheeks and her soft hair.

And looking in my dreaming eyes,
As if she saw some lovely thing,
And smiling in such fond surprise
On all my hopes in life that spring
Like flowers beneath her tender gaze,
I could not stray in evil ways.

I would not wound the gentle breast
That held me warm within its fold;
My mother's love would still be best,
However sad, or plain or old;
And even though the world forsake,
I'd love her for her love's dear sake.

A Cool Dish of Strawberries.

The last cold snap was death to the strawberries, it froze them solid.

It made a very good dish to take the frozen berries and smother them with sugar and cream, as it would thus be iced strawberries and cream, a similar dish, strawberries and ice cream often called for in warm weather.

Kind Words never Die.

Good thoughts produce good deeds.

Greet a friend with a genial smile and it brings out a smile in return like as the sun's warm breath upon the bud causes it to burst into blossom.

A thoughtless, cold look of recognition from a true friend strikes into the soul a chill, as does the icicle upon the tender flesh.

"THE BESTEST CHRISTMAS."

My dear little cousin Marie had such a charming Christmas that I really think I must tell you about it; for when there is a pleasure that anyone may have it seems very selfish not to let it be known.

You must know that Uncle Ben is very fond of teasing Marie, and by way of doing that he gave her last November a roll of lozenges, as he called it and to be sure, that is what the little silver-papered roll looked like; but then it wasn't that, though Marie thought it was, for when she pulled out very carefully one end of the roll, and put in her little thumb and forefinger to pull out a rosy lozenge, what should come but a bright new cent! —or a penny, as Marie called it because she lived in Brooklyn! Really, she did not look very badly disappointed, for her eyes were dancing, and her feet began to dance too when out rolled a penny on the floor, and another, and another; and down Marie herself went to scrabble them up, laughing merrily all the time for the pennies looked so bright and pretty. Then she sat down and poured them all into her lap, and counted them over and over.

"One, two, three, four," on and on, till she came to twenty-five. Oh, how rich she did feel! Was there ever such a paper of lozenges?

She put them all carefully back in the paper and went dancing around the house, showing everybody her treasure, and telling what wonderful things she was going to buy with all; but many a time that day she emptied the pennies again into her lap, into a saucer, into a box, and counted them over and over. Indeed, every morning the minute she awoke, she would sit up in bed, her little head all covered with frizzles of golden hair, and drawing the precious bundle from under her pillow—where it had spent the night—begin to count again and plan anew how she would spend all that money, while her brother Ned would caper around the room, singing,

"Queen was in the parlor, counting out her money;
I must be the king, and where's the bread and honey?"

I can't begin to tell you of all the things she thought she would buy with those pennies. Of course the first thought was a doll; but, then, she would have a nice picture-book instead; yet, how delightful it would be to have twenty-five sticks of candy! She wondered if ever a little girl had so many.

Then she would go down to "Norman's" and look all through his "penny-drawer," wanting everything there. I must tell you there is one drawer in which everything costs a penny, and 'most always some little eyes are peering into that drawer. Then, on the shelves, what pretty little dolls there were for five cents! What nicer ones for ten! What "perfect beauties" for two shillings!

Oh, dear, what should she buy? What should she do? So every day she came home still undecided, and still all the pennies were in that bright little roll. Really, some days she grew quite tired of that shopping—I mean with thinking about it—and so Christmas morning came, and still Marie was counting her money—though she said now she knew what she was going to buy. "Ten cents for a dear little blonde-haired dolly; ten cents for the sweetest little box of furniture, and five cents for just the loveliest beads you ever saw!"

Those were the things she wanted most, she was quite sure; but the store was closed on Christmas Day, so she must wait till the morrow; still, she could be thinking of all the good times she was going to have with the lovely things.

Before church-time her mamma wanted her to carry a mince-pie and a cake to poor Mrs. Cragg, for a Christmas greeting to herself and her little boy and girl, and to help them have a good Christmas dinner; and they were all so pleased that Marie came away feeling very happy.

She was so much interested in the stores now that she thought she would go back through Smith street and look in the shop windows. When she came to the first toy store there was already a little girl staring in the window. Poor little girl! She had very few clothes; her hands and her face looked purple and cold; but she didn't seem to be thinking of that, so wistfully was she gazing in at a little china doll. Marie knew what that look meant—so, many days, *she* had looked at the fascinating things in Norman's window.

"Are you going to buy it?" asked Marie, eagerly. "Do you like it *very much*?"

"Like it!" and the little girl turned wonderingly to her. "Oh, if I only could! Dear Bessie!"

"Bessie! Who is Bessie?" asked Marie.

"My little lame sister. She has to lie on the bed all day, and oh! she wants a doll so much," she said, sighing wistfully.

Then up spoke Marie's warm little heart within her and said to her, "Suppose you buy it." Quick as the thought, she seized the little girl's hand and drew her into the shop, saying joyfully, "I'll buy it, and then you can take it home to Bessie," and in a minute the purchase was made. The little girl in the ragged clothes seized the doll, and ran away so fast she hardly had time to say "Thank you," for she was so eager to carry it to Bessie; and I do not believe she was a bit happier than Marie, who came skipping along the sidewalk, thinking how Bessie would smile when she saw the dolly.

"It only cost five cents," said Marie to herself, "and I can buy the other dolly that costs five cents. It is almost as pretty as the ten-cent one"

Then she saw two poor little shivering boys looking into a candy-store, for some most tempting tin-trumpets were hanging there. All through the streets on Christmas morning, one hears the trumpets, for the boys think there isn't much better fun than to blow a trumpet and make a great noise. These boys looked so wistful that Marie did not stop a minute, but ran in and bought two trumpets. She was just turning to come out when the thought crossed her mind that perhaps those little boys never had any candy, and soon she had bought and put into each trumpet an ounce of mixed candy—she thought the boys would like that best. Meanwhile the little shivering fellows were staring in at her, and to them she seemed like a princess, spending so much money. When she came out, and gave them each a trumpet they could hardly believe their eyes, and when they looked into the trumpets and found the candy, you would have thought they were the richest little people in all the world, they looked so happy. They called out:

"Bully for you!" which was not very elegant, but it was the highest praise they knew. Some of the candy they put in their mouths, and some into their pockets. Then they began to blow, and indeed I think nobody but a boy could have made so much noise with his mouth full of candy.

Now Marie had only five cents left to spend on herself and she began to think which of all the things she wanted the most, but just then an organ-grinder came along with a miserable-looking little girl holding a cup for money. Her poor little wizened face looked as though it had never smiled. It was very, very sad to see on a bright Christmas morning, when everyone is so merry. Then Marie was filled with pity for her, and she longed to make her smile too. The little girl looked so old and sad that Marie could not think of her playing, so she went into the store and bought some more candy. Bringing it out she went up to the little girl and gave her the candy, saying:

"I wish you a Merry Christmas, and please take this for a Christmas present," and I know she must have smiled very sweetly when she said it.

The little girl looked perfectly astonished. I suppose she was not used to having anyone care for her, but she grabbed the candy eagerly and began to eat it with great satisfaction, staring with wonder at Marie, all the time; and though she did not know enough to say "Thank you" Marie saw how glad she was to have the candy, and my little cousin came dancing on her way home. She had not a bit of money now to spend for herself but somehow she didn't mind that at all, for she kept thinking how happy those little boys and girls were and she was as merry as a cricket all Christmas day. Indeed she says:

"It was the very, very bestest Christmas that ever I had."

WARM SLEEPING ROOMS.

I'm glad that the barbarous idea that it is healthful to sleep in frigidly cold rooms is being combated. For my part, when I recall all the discomforts, yes, and absolute pain I've endured in cold bed-rooms, I'm ready to pronounce a sentence of perpetual banishment to the Arctic regions, against the inhuman monster who first promulgated the idea that it is "unhealthful to sleep with a fire." If a fire is a good thing during the day when our bodies are at a higher temperature than during sleeping hours, why isn't it a better thing at night? People pile on a hundred weight or so of bed-clothes, shut doors and windows to prevent the entrance of even a breath of fresh air, and in spite of their precautions, what with having to breathe the cold air of the room and the liability there is of the clothes slipping off, they are not comfortable. There is another thing to be considered, heavy covering is weakening. Many delicate women and children are made weary by sleeping under great quantities of covering. Then, it has been demonstrated time after time, in medical reviews and in newspapers generally, that pure air is absolutely necessary to perfect health. What sort of air is that which has been breathed and rebreathed scores of times during the night? Have a fire, and open your windows an inch top and bottom. Instead of laying in a heavy stock of blankets and comfortables, just invest in a stove, the children can then make their toilets in their rooms instead of rushing through the house half clad to dress by the kitchen-fire, thereby impeding breakfast preparations. Besides, it isn't nice to have washing and scrubbing going on in the same room and at the same time as cooking. A fire need not be kept in the bed-rooms all day. From eight in the morning until about six in the evening it could be dispensed with, and the expense and trouble would thereby be lessened. Think it over ladies, and if you have ideas on the subject, please ventilate them for the benefit of the club.—LINDA BROWN, in *Rural New-Yorker.*

Setting a Fashion.

"Whence come the fashions?" is a question often asked. Several years ago a leading New York house imported, through a blunder, a certain very ugly material which would not sell, and lay dead upon their hands. Something had to be done. The proprietors of one or two fashion papers were interviewed. The next week their columns told thousands of eager readers that there had recently been shown a new and stylish fabric which promised to be very fashionable, and the statement was widely copied by the daily press. Retail dealers found their customers inquiring for it, and sought it of the jobbers. The jobbers in turn sought it of the importers, who quickly unloaded their whole stock at a handsome profit. The goods were voted "beautiful" and "stylish," and the fabric was "the rage" for a time. Just how much the fashion papers were paid was never divulged. All of which shows how one fashion was "set," and "what fools these mortals be."—*Boston Transcript.*

California an Empire.

California is more an Empire than a State with its 188,981 square miles, or 130,927,840 acres. The combined area of the six New England States is but 63,338 square miles, showing that California has an area almost three times as great as this division of the Republic. The area of the six Middle States—New York, New Jersey, Pennsylvania, Delaware, Maryland and West Virginia—is 137,464 square miles, showing that California is 51,515 square miles larger than this section. The combined area of the twelve States forming the New England and Middle States is 205,812 square miles, showing that California contains an area almost as great as these twelve States. It is 78,235 square miles larger than the whole of Great Britain, the latter being 110,856 square miles. It would make twenty-four States the size of Massachusetts, and one hundred and forty-five States as large as Rhode Island. Great is California.

A BOY'S LEISURE HOURS.

What a boy does with his leisure is most important; what he gets in school is mainly drill or exercise; it is a gymnasium to him; he must eat elsewhere. What he does with his spare hours determines his destiny. Suppose he reads history every day, or scientific books; in the course of a few years he becomes learned. It matters very little what he undertakes, Latin, Greek, Hebrew, Sanscrit, all disappear if he uses his spare time on them.

A boy was employed in a lawyer's office, and had the daily paper to amuse himself with. He commenced to study French and at that little desk became a fluent reader and writer of the French language. He accomplished this by laying aside the newspaper and taking up something not so amusing but far more profitable.

A coachman was often obliged to wait long hours while his mistress made calls. He determined to improve the time; he found a small volume containing the Eclogues of Virgil, but could not read it, and so purchased a Latin grammar. Day by day, he studied this, and, finally, mastered all its intricacies. His mistress came behind him one day as he stood by the horses waiting for her, and asked him what he was so intently reading. "Only a bit of Virgil, my lady." "What, do you read Latin?" "A little, my lady." She mentioned this to her husband, who insisted that David should have a teacher to instruct him. In a few years he became a learned man, and was a useful and loved minister of Scotland.

A boy was hired to open and shut the gates to let the teams out of an iron mine. He sat on a log all day by the side of the gate. Sometimes an hour would pass before the teams came, and this he employed so well that there was scarcely any fact in history that escaped his attention. He began with a little book on English history that he found in the road; having learned that thoroughly, he borrowed of a minister Goldsmith's History of Greece. This good man became greatly interested in him and loaned him books, and was often seen sitting by him on the log conversing with him about the people of ancient times.

The Power of Love.

Love is inspiration; it encourages to great deeds, and develops the creative faculty of our nature. Few great men have flourished, who, were they to be candid, would not acknowledge the vast advantages they have experienced in the earlier years of their career from the spirit and sympathy of woman. It is woman whose prescient admiration strings the lyre of the desponding poet, whose genius is afterwards to be recognized by his race, and which often embalms the memory of the gentle mistress whose kindness solaced him in less glorious hours. How many an official portfolio would never have been carried, had it not been for her sanguine spirit and assiduous love! How many a depressed and despairing advocate has clutched the Great Seal, and taken his precedence before princes, borne on by the breeze of her inspiring hope, and illumined by the sunshine of her prophetic smile! A female friend, amiable, clever and devoted, is a possession more valuable than parks and palaces; and, without such a muse, few men can succeed in life—none be content.—*Disraeli.*

The better the farmer the more successful will he be in his financial as well as agricultural efforts. Every farmer should entertain a very high opinion of his employment, and at the same time not forget that in unintelligent labor there is no dignity. The short-sighted, aimless, inefficient farmer is the one whose houses and surroundings bear false witness against the neat buildings and fine appearing surroundings of his more tasty neighbors.

Mind what you run after. Never be contented with a bubble that will burst, nor with a fire-work that will end in smoke and darkness. Get that which is worth keeping, and that you can keep.

OUR STYLE!

Holiday Presents.

Great Reduction in Prices

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FINE CUTLERY!

CARVING KNIVES, own manufacture.
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LADIES' WORK-CASES.
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FIFTY-TWO PAGES—MONTHLY.

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48:19

SHERMAN & HYDE,

WHOLESALE AND RETAIL

MUSIC DEALERS,

CORNER KEARNY AND SUTTER STS.,

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WEBER PIANOS

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THE BEST.

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NEILLSON. I shall take every opportunity to recommend and praise your instruments.

KELLOGG. For the last six years your Pianos have been my choice for the Concert Room, and my own house.

PATTI. I have used the Pianos of every celebrated maker, but give yours the preference over all.

STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

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MILLS. Amongst the many excellent Pianos made in the city, the Weber ranks foremost.

LUCCA. Your Uprights are extraordinary Instruments and deserve great success.

MURSKA. Your instruments surpass my expectations, and I rank you justly as the Foremost Manufacturer of the day.

GODDARD. Your Instruments have no "superior" anywhere. I certainly have not seen any Pianos in America which approach them even.

The Cottage Gem Piano,

Is 7 Octave. Serpentine Mouldings. Carved Legs, and is the BEST PIANO in the market for the price.

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Has a Beautiful Case, full, rich tone, and for durability

Excels all Others!

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THE TWENTY-SEVENTH ANNUAL SESSION OF THIS Institution will be resumed Thursday, January 2d.

This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. Its occupying six large buildings with extensive shady playgrounds, covered gymnasiums, swimming pond, etc.

It possesses a most complete philosophical apparatus, and valuable collections of mineralogy and geology. It has also practical schools of Assaying, Surveying, Telegraphy, Photography, and Commercial business. For the latter a new building 186x40 has just been finished that leaves nothing to be desired.

Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course.

TERMS—(Payable semi-annually in advance) Matriculation fee, to be paid but once.....$ 15.00
Board, Lodging, Tuition in all branches, Washing and Mending of Linen, School Stationary, Medical attendance and Medicine, Baths, etc., per session of ten months.....$150.00

For further particulars apply to the President of Santa Clara College, or to St. Ignatius College, 841 Market Street, San Francisco

34-1 REV. A. BRUNENGO, S. J., President.

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FLORENCE,	SAMUEL HILL
WHITE,	General dealer in Sewing
NEW HOME,	Machines, also agent for
WEED IMPROVED,	the celebrated Howard
PEERLESS.	Needles for all Sewing
48:20	Machines, and for Florence and California Oil Stoves.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the information of their Wants.

Miscellany.

Gatherings along the way side,
Floating gems by every tide.

WHEN YOU'RE DOWN.

What legions of "friends" always bless us,
When golden success lights our way!
How they smile as they softly address us,
So cordial, good-humored, and gay!
But ah! when the sun of prosperity
Hath set, then how quickly they frown,
And cry out in tones of severity,
"Kick the man don't you see he is down!"

What though, when you know not a sorrow,
Your heart was as open as day,
And your friends when they wanted to borrow,
You obliged and ne'er asked them to pay
What though not a soul you o'er slighted,
As you wandered about through the town,
Your friends become very near sighted
And don't seem to see when you're down.

When you're up you are loudly exalted,
And traders all sing out your praise,
When you're down you have greatly defaulted,
And they really don't fancy your ways
Your style was tip top when you'd money,
So sings every sucker and clown,
But now 'tis exceedingly funny—
Things are altered because you are down.

Oh give me the heart that forever
Is free from this world's selfish rust,
And the soul whose high noble endeavor
Is to raise fallen men from the dust;
And when in adversity's ocean
A victim is likely to drown,
All hail to the friends whose devotion
Will lift up a man when he's down.

The Irrepressible.

They were all at the springs—father, mother and the five-year-old boy. After an invigorating bath they went up the hill to the "chicken-soup" spring, and while regaling themselves with the delightful drink, the little one looked at the bubbling, steaming water a moment, and then asked:

"Mamma, what makes that water boil so?"

"God does, my son."

"How does he do it?"

"Oh! he builds a big fire under it."

The little one reflected a moment, then asked: "Mamma, does God kick over the chairs and swear at Mrs. God when he has to get up and build the fire?"

The wife glanced suggestively at her husband, but his eyes were fixed intently upon some object way down the river. The silence for a minute was absolutely painful, and then the man softly remarked:

"I never before knew the Humboldt to be so low at this time o' year.—*Elko Post.*

Independence.

GOOD ADVICE FOR THE YOUNG.

Have your own things. Accustom yourselves to be careful to keep on hand your own stock of writing paper, pens, pencils, and India rubber. Do not depend on mamma's work-basket for a thimble or needles, nor on her bureau-drawer for cuffles and handkerchiefs. Do not consider that you have a right to borrow papa's knife, nor to make a foray on Brother Tom's room for strings and wrapping paper. Everybody should be independent of the home world, so far as some personal belongings are concerned. If you allow yourself to form the habit of going here and there with "Please lend me this," and "Do oblige me with that," you will often annoy people who are too polite to show their feelings, and you will sometimes incur mortifying refusals. It is usually much better to do without the use of an article than to borrow it. This is especially true of things to wear. There are girls who put on their sisters' hats and aprons quite indiscriminately. There are boys who never have a collar in their box, nor a tie that isn't a perfect string, and not fit to be seen. Remember that a very wise man has told you, "The borrower is servant to the lender." This has many meanings, or rather, the meaning makes itself plain in many ways, as you go on in life. You will have a truer self respect if you decide that you will, so far as you can, stand on your own feet, and not borrow your neighbor's crutches.—*American Cultivator.*

If there is any day that we respect it is the Sabbath; of all the Christian ordinances that which we hold in highest esteem is the one that says we shall do no work on Sunday. Upon this holy day the bill collector has no authority to annoy us with his importunity; the devil does not pursue us for corp. We wish there were six Sundays in the week instead of one. We never could see the propriety of giving six days to the devil and one to the Lord.—*Argonaut.*

There is but one advantage in "dying rich": it reanimates many of one's relations who died years before. They come crawling out of their graves as thick as earth-worms after a rain, and they attack the estate as a regiment of Kansas grasshoppers assails a cabbage patch. And then they go back on their own epitahs, and say that they have all the time been canning salmon at Santa Fe, or herding cats in Siskiyou, or mining for bar soap in Humboldt, or growing door-knobs in Oregon, or doing anything anywhere that there is no money in. But these stories are weak; it is not possible to mention an industry so unprofitable as to produce such destitution as theirs. A man must have been dead—and dead a long time, too—to be as poor as the contestants of a rich man's will.—*Argonaut.*

Massachusetts leads all other States in the value of her wheat crop per acre.

AMERICAN Berkshire Record.

Authentic and Reliable Pedigrees

Of the principal families of Berkshire Swine, with dates of farrow, addresses of breeders, etc.,

PATRONIZED BY THE

FOREMOST BREEDERS IN ENGLAND AND AMERICA.

Volume I. contains the standard o Characteristics and Marks of Berkshire Swine, adopted by the National Convention in 1872; and Volume II. the STANDARD OF EXCELLENCE, more recently adopted by the AMERICAN BERKSHIRE ASSOCIATION. In each will be found

Also Valuable Treatises on Swine

The price of Vol. I. is $3.00, post-paid; that of Vol. II, $5.00, post-paid. Volume I. and II. will be sent, if ordered at same time, (although both need not go the same address) for $8.00, post-paid. the money to accompany the order.

BLANK FORMS FOR PEDIGREES,

Bound in sets of one hundred, with studs for retaining memoranda, price $1.00 per set. These forms are adapted to general use by breeders of all kinds of farm and domestic animals, and are designed to aid in the systematic preservation of pedigrees.

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I. The Origin, Breeding and Management of Berkshire Swine.

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These two Essays, for which the Association paid $100 each, and the seven illustration therewith, have been published together in pamphlet form. They will be sent postpaid on receipt of 25 cents.

For further information, read carefully the Third Annual Report of the Association, and the Suggestions, Instruction and Rules therewith, or Address,

N. B.—These Splendid Volumes can be seen at THE FARMER OFFICE.

PHIL. M. SPRINGER, Sec'y,
48:7 Springfield, Ill.

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In connection with the publication of the *Scientific American*, we continue to act as Solicitors for Patents Caveats, Trade-Marks, Copyrights, etc., for the United States, Canada, Cuba, England, France, Germany, etc. In this line of business we have had *thirty-three years' experience.*

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Farmers' Accounts.

WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer.

A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to

List of Australian Duties.

Our Merchants and Shippers of Goods to Australia who desire to know the rates of duties to the several Colonies, cand find a "List of Duties" of each district at the Office and Reading Room of the CALIFORNIA FARMER, 320 Clay Street, San Francisco.

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GARDEN, FLOWER, GRASS,

— AND —

TREE SEEDS.

SOLICIT Orders for the above from the TRADE, also, *GLADIOLUS* and all other *BULBOUS ROOTS.*
44:15 Price Lists on Application.

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The following valuable new works just received at THE CALIFORNIA FARMER OFFICE, 320 Clay Street, worthy special attention:—

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A most valuable work, one volume, 900 pages, fully illustrated with 200 engravings.

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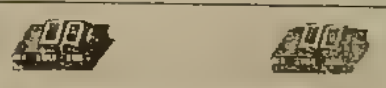
A most interesting volume of nearly 1200 pages, admirably illustrated; Also, "Science in Story" in five volumes, most admirably written and most inviting to every reader and conclusive in the arguments of every story.

These Volumes are all Edited by Dr. E. B. Foote, and issued by the Murray Hill Publishing Company, of Chicago, Ill., and for sale at the FARMER OFFICE.



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—AND—
CIRCULARS,
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AT THE LARGEST PRINTING HOUSE
On the Pacific Coast.

COMMERCIAL STEAM MAMMOTH PRINTING HOUSE.

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FRANCIS, VALENTINE & COGGIN,
44:1 PROPRIETORS.

all—handsomely got up and finely bound Price, $2.50, worth ten times the cost. 45:21

TO ADVERTISERS AB OAD.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best Houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows.—All line advertisements will be ONE DOLLAR for Five Lines, or less, Nonpareil, *first insertion*; larger space, *Fifteen Cents per Line*; each subsequent insertion, *Ten Cents per Line.* This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community.

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For one-sixth of a column, three months, $20.00.

For one-eight of a column, three months.. . $15.00 | For one-half of a column, three months. 50.00
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For a six month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable; the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the abov rate

WARREN & CO., Proprietors,
320 CLAY STREET, SAN FRANCISCO.

Worth a Guinea a Box!

CLARKE'S

Liver and Bilious Pills.

The BEST MEDICINE you can possibly take for Indigestion, Fever and Ague, Wind in the Stomach or Bowels, Sick Headache, Heartburn, Giddiness, Drowsiness, Languor, Spasms, Pains and Fullness at the pit of the Stomach or region of the Liver, Loss of Appetite, Diarrhœa, Dysentry, and the most certain cure for Piles is

Clarke's

LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

TESTIMONIALS:

WONDERFUL!

WARWICK, QUEENSLAND, April 21, 1877.

MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR,—I think it my duty to you, and for the benefit of others, to state, that for the past two years I have been troubled with a pain in my left side, I think through a hurt. I have been under the treatment of two medical men here. One told me I had heart disease; another, disease of the lungs. I went to Brisbane and consulted one of the leading Physicians there. I spent thirty pounds with doctors for medicine, and was worse than when I commenced. I could scarcely breathe for pain, and had given up hope that I was ever to be better. I heard of many cures by your Liver and Bilious Pills, I thought I would try them. I have only taken three small boxes: the pain is gone, my general health is improved, and now I can work as well as ever I have done. I have been working on the roads. My case has been well known here, and my wonderful recovery. Being for ever thankful to you. I am, truly yours,

WILLIAM STEWART.

PARTICULARLY NOTE THIS.

HERMITAGE, WARWICK, August 14, 1877.

MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR,—Four years ago I was sluicing tin at the Tin Mines. With standing in the water I took cold shiverings with night sweats—lost all desire for food Consulted a Physician in Warwick; was under his treatment four months without improvement. Dissatisfied, went to another, who gave me no hope of recovery, but improved a little under his treatment. One day, being very warm, I bathed in the river, and coming out of the water felt very ill. Went back to the doctor, who renewed the medicine without any benefit In addition to the weakness and night sweats I had intense pain through my body, especially in my left side. My breathing was so painful and difficult, I thought I would be suffocated. I was five months, after the relapse, under the Doctor's treatment, getting worse every day, till the Doctor told me to go home, that I could not possibly live a week. I went home very sad. My wife persuaded me to try your Liver and Bilious Pills. I did. Before I used one box the night sweats were gone, the pain in my side better, my appetite improving. Got another box, and before it was finished, the pains were all gone, my breathing improved, and now, two months after, I never enjoyed better health, can do my work as well as I ever did. I can thoroughly recommend your Pills as having saved my life.

MICHAEL BYRNE.

WARWICK, December 30th, 1872.

To MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed good *health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 23, 1874.

To MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)

JOHN GREEN,
—Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus:

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir:*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it but if I must take it give me the Eucalyptus above all others. Yours sincerely,

GALEN CLARK.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved an cured from long and great suffering by the use of thes Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you Davi Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY

David Clarke,
Manufacturing and Wholesale Chemist,
AT HIS LABORATORY,
Warwick, Queensland.

FOR SALE BY

WARREN & CO.,
SOLE AGENTS FOR THE
UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

COMMISSION SALES-ROOM, —AND— Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass o purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, o for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipmen of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and eve y article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

BOOKS---SEEDS---TREES

All rare and choice things can always be purchased as above.

Silk and Tea Culture,

A PRACTICAL TREATISE ON

SILK CULTURE,

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 6 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED.

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine **Patent Bee Hives** of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,

320 Clay Street,
SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL, prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Liniment for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Liniment is needed, as it has been proved to be the best Liniment known.

FOR SALE,
Wholesale and Retail,
WARREN & CO.,
320 Clay Street,
AGENTS FOR DAVID CLARKE'S REMEDIALS.

CASH FOR ADVERTISING

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the CASH with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill*" this we cannot do without CASH, or a special understanding before hand.

WARREN & CO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, January 30, 1879.

Money and Exchange Tables.

Exchange on England, new style, long and short	$ 82½ a $ 83
Value of Gold	— 1 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	9s 9d a 9s 3d
Value of Club Wheat in Liverpool	9s 3d a 9s 6d
Value of Wheat in New York, bushel	1 05 — 1 12
Brewers Barley in New York, bushel	1 10 — 1 15

MONEY AND EXCHANGE TABLES.

The *Money Market* is an enigma to many who claim to be wise financiers, and while they admit the apathy of trade and business generally, and the want of money among the farmers, country traders and the mass of the people generally, they also admit that there never was such an abundance of money laying idle as at the present time. Money, too, that can be had at very low rates of interest—five and ⅌ per cent.—on long loans even, while the ordinary value of money at bank counters is nine to ten per cent.; and, with this condition of money hitherto no building, and manufacturers almost at a standstill for want of funds and business. The U. S. bonds, four per cent., are sought for and purchased by the *millions of dollars* daily at the east, and also largely here, and the gold that buys them goes into the Treasury of the United States, where now there are hundreds of millions locked up, the people preferring the greenbacks to gold.

We believe the enigma is easily explained by the fact of this continued drain from the business channels into the U. S. Treasury of the gold of the country has a great tendency to stagnate trade, will our financiers elucidate?

The Bank of England and France are both reducing the rate of interest, and gold accumulates as large failures increase, and factories, foundries, coal and iron mines close, people out of employ go about asking for bread—bread wanted and gold plenty—labor unemployed and money abundant, is the great enigma of the times.

GRAIN AND FLOUR MARKET.

Our *Grain Market* and our grain trade has had a dull time for a month past, shipments abroad have been but very moderate, with a strong disposition on the part of grain growers to "hold on," our farmers more impressed with fear than hope for the season.

We have never had a doubt but that the later rains would come, and they have come and will continue to come until the earth is full of riches for those who till the soil.

Our exports of *Flour* and *Grain* has been only about a dozen cargoes since January 1st, yet since July, 1878, to now it is more than three-times the number of ships loaded the same time last year, and more than double the value, being over $12,000,000.

The glorious dispensation of rains, now universal, over our State, will clear our markets quickly, and bring the grain from our storehouses and start it abroad, for with the present prices in Europe, the large stock and dull trade there, prices are not likely to go up in the face of good rains and a good season.

The *Flour Market* has been a dull one for some little time past, but shipments will now begin again and a general renewal of trade commence, prices about as last report.

The *Wheat Trade* itself is dull, prices remain steady and will for a little—then—then—we shall see by the news from Europe of the crops there.

We refer as important to the report of W. H. Walker, Secretary of the Produce Exchange, for the estimate of grain on hand January 1st, in this State.

The *Barley market* has had an electric touch from the East, and away goes the barley overland, some two hundred tons or more at good figures.

The *Trade* in Oat is not very large, we have constant recruit in stock from abroad, Oregon and Washington Territory, yet prices keep steady.

Corn, firmer market—*Rye* and *Buckwheat* little or no sale.

The *Feed stuffs* are a little higher, and in good demand, in cold weather all animals eat more and feed is in better demand, *Bran, Middlings, Corn Meal, Ground Barley*, and *Oil Cake Meal*, all better in price.

The *Seed Trade* has been dull and by reason of delayed rains and cold weather but little alfalfa or any grass seeds have been planted yet, now a start will be given.

The *Hop market* is not hop at all, nothing moving, price from 7 to 12 cents, the last for choice bright stock.

The *Honey market* is now out of mark, and of large value, as show by the very interesting letter from our valued correspondent, whose letter in this number will astonish many—choice honey in demand, exports large—*Lectures*, a large over supply—price lower.

The *Hay market* has improved in price with quicker demand, the colder the weather, the more feed for cattle and horses wanted.

The *Potato market* is tolerable lively, choice brands, like Early Rose, Salt Lake, White Prolifics are quick sale at $1.50 to $1 75 the central other brands like the River Reds sell at 80 to 85 cents—*Sweets*, plenty in market at $1 40 to $1.75.

The best stock of nice potatoes can always be found at the commission store of Lazarus, Witham & Co., corner Davis and Clay Streets—they are large dealers, and can always suit.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 55 — 1 60
do Choice do.	1 70 — 1 75
do Milling do.	1 75 — 1 80
Barley, per 100 lbs., feed	95 — 1 00
Barley, for brewing, (Chevalier)	1 15 — 1 20
New Rye	1 15 — 1 20
Oats, California, per 100 lbs.	1 30 — 1 45
Corn, do. do.	95 — 1 05
Flour, Superfine, per bbl	4 00 — 4 25
do Extra	4 30 — 4 50
Extra Flour for shipping	5 25 — 5 50
Very Extra Family Flour	5 25 — 5 50
Oregon Superfine	4 00 — 4 25
do. Extra for Shipping	5 00 — 5 25
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 20 — 1 25
Bran per ton	17 00 — 18 50
Middlings per ton	21 00 — 24 00
Ground Barley	23 50 — 24 00
Oil Cake Meal, for feed, per ton	— 36 00
Beans, per 100 lbs, various	2 00 — 3 50
Potatoes, common	90 — 1 00
Potatoes, choice	1 40 — 1 50
Sweet Potatoes	1 25 — 1 75
Onions, new	2 00 — 3 25
Hay per ton, ordinary	9 00 — 10 00
Hay per ton, extra	11 50 — 13 00
Wheat Hay	13 00 — 16 00
Alfalfa Hay	9 00 — 11 50
Straw per ton	5 00 — 6 00

Retail Prices in the Fruit Market.

Our *Fruit Market* is rather short now of any showy fruit, the frost, ice and rain storms cut short many varieties we have had—Oregon Apples made a good show—these and foreign fruits make up all the display we now have. In a little time we shall have the fall crop of Oranges and Lemons from down South, then we shall make in our markets a better display—Los Angeles Oranges are now quite small.

Island Fruit and Nuts finish out our display.

Apples, per box	75 — 1 50
do. do lb	6 — 8
Pears, per box	1 00 — 1 50
" per lb	10 — 12
White Grapes, per lb	10 — 15
Black Grapes, per lb	10 — 12
Figs, dried, per lb	12 — 16
Tahiti Oranges, per doz.	25 — 40
Lemons, imported, do.	30 — 50
Limes, do. do.	20 — 25
Pine Apples, each	75 — 1 00
Bananas, per bunch	2 50 — 3 50
California Oranges, per dozen	20 — 75
" Lemons, "	40 — 75
" Limes, "	25 — 30
Persimmon	25 —
California Walnuts, per pound	10 — 12
Almonds, hard shell, per pound	12 — 15
do. soft shell, do.	15 — 20
Foreign Pecan Nuts	15 — 20
Foreign Brazil Nuts	15 — 20
Filberts	15 — 20
Chili Walnuts	8 — 10

Retail Price in the Vegetable Market.

We can with truth repeat what we said in our last.

The *Vegetable Market* when the severe weather is considered is remarkable—there is no market in the world that can show as large a display of superior vegetables at the Winter's season as our own California markets.

The large quantities, the great variety, and the superior quality cannot be equalled the world over.

Artichokes, (French) per doz.	15 — 20
Tomatoes, per lb	6 — 8
Beets, per doz	— — 25
Broccoli, each	10 — 12
Cauliflower	10 — 15
Cabbage, do.	5 — 10
Carrots, per doz	— — 25
Celery do.	75 — 1 00
Celery Root per dozen	— — 75
Cress, per dozen bunches	10 — 12
Cranberries, per gallon	60 — 80
Dried Herbs, per doz.	30 — 40
Green Peas, per lb	— —
Lettuce per doz. bunches	12 — 12
Onions per lb	4 — 5
Horseradish, per lb	12 — 15
Okra, green, per lb	— —
Okra, dried, per lb.	— — 50
Choice Potatoes	— — 25
Potatoes choice, per 100 lbs	2 50 — 2 50
Kidney Potatoes, per lb	3 — 4
Pumpkins	2 — 3
Parsnips, per doz. bunches	— — 20
Salsify, do. do.	— — 20
Parsley, do. do.	15 — 20
Pickles, per gallon	40 — 50
Radishes per doz. bunches	6 — 8
Squash, Marrow fat	2 — 3
do. Hubbard	— — 5
Lima, Dry	8 — 10
String Beans, per lb	— —
Spinage per lb	— — 8
Salsify, per bunch	4 — 6
Turnips, per doz	— — 20
Garlic	8 — 10
Eschalot	15 — 20

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea. We beat the world for choice fish.

Salmon ₱ lb	10 — 12
do smoked new	10 — 12
do pickled, ₱ lb	6 — 10
Lake Bigler Trout each	20 — 25
Lake Bigler Trout, extra	25 — 30
Smelts, per lb	— — 12
Perch do.	— — 12
Rockfish do.	— — 12
Codfish, dry, per lb	— — 10
Herring, fresh, per lb	— — 8
do smoked, ₱ doz	— — 25
Tomcod, per lb	— — 12
Sardines, fresh, per lb	— — 10
Solefish, per lb	20 — 25
Mackerel pickled, each	— — 25
Shrimps, per lb	10 — 12
Flounders do.	12 — 15
Sea Bass do.	— — 30
Halibut do.	40 — 50
Sturgeon do.	— — 4
Turbot do.	30 — 40
Terrapin, ₱ doz	2 50 — 3 00
Pompano do.	— — 2 50
King Fish do.	— — 25
Anchovies do.	12 — 15
Frogs, per doz.	2 00 — 2 50

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market.

Oysters ₱ 100 choice	75 — 1 00
Chesapeake oysters per dozen	50 — 75
Crab Fish, per lb	12 — 15
Clams per 100	— — 50
Mussels do	— — 25
Crabs, boiled, each	— — 25
do. soft, per doz.	— — 50

Retail Meat Market.

The *Retail Meat market* well and fully supplied with the best and choicest, prices lower than usual and market full stocked.

Porter House	15 — 20
Porter House, extra	20 — 25
Beef, tenderloin, per lb	18 — 20
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	10 — 12
do cutlet	15 — 18
Mutton chops, per lb., extra	10 — 12
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	10 — 12
Beef tongues, each	— — 75
Pigs tongues, each	— — 15
Bacon, California, salt per lb	13 — 14
do do smoked	12 — 13
do do sugar cured	13 — 15
Hams, California	13 — 16
Choice hams, Duffield	16 — 18
Whitaker, St. Louis, Mo	15 — 18

Poultry and Game Market.

The *Poultry market* shows a full supply and easier prices to the buyer, yet liberal sales—Game supply not so abundant but a good demand and a little higher figures for some kinds.

RETAIL PRICES.

Ducks tame each	75 — 90
Canvas Backs, pair	75 — 1 50
Small Ducks, dozen	1 00 — 1 50
Geese tame, per pair	2 00 — 2 50
Broilers	50 — 60
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	20 — 22
Snipe, English per doz	3 00 — 3 50
Pigeons, domestic, per doz	4 00 — 4 50
Quail, per doz	1 50 — 2 00
Hares each	25 — 38
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Squirrels, per pair	— — 25
Venison per lb	12 — 16

Poultry and Game—Wholesale.

Broilers, per doz	4 00 — 4 50
Large Chickens, per doz	6 00 — 7 00
Hens, per doz	7 50 — 8 50
Turkeys, dressed, per lb	20 — 22
Ducks, tame, per doz	7 00 — 7 50
Canvas Backs, dozen	3 00 — 3 50
Small Ducks, dozen	1 50 — 2 00
English Snipe, per doz	2 50 — 3 00
Geese, tame, per pair	2 00 — 2 50
Pigeons, domestic, per doz	3 00 — 3 50
Quail, per doz	1 00 — 1 25
Hares, per doz	2 00 — 2 50
Rabbits, tame, per doz.	1 50 — 1 75
Squirrels, per doz	75 — 1 00
Venison, per lb	7 — 8

Retail Dairy Market.

The *Dairy Market* has aroused up, grown active with larger sales and less stock on hand, choice butter scarce keg and pickled butter nearly a bare market.

California and choice cheese in wanted, prices better.

Eggs are rather plenty and a little less in demand.

Butter, California, Extra Choice per lb	40 — 45
do. do. for (Cooking) do	25 — 30
do. do. packed best roll	27 — 30
do. do. Eastern	25 — 30
California Eggs, per doz	30 — 35
Oregon	27 — 30
Duck Eggs, do	27 — 30
Cheese per lb	15 — 20
do. Sage, per lb	25 — 30
Eastern Cheese, do.	25 — 30
Lard, California, per lb	18 — 20
Lard, Eastern, do.	— — 15
Honey, Comb	15 — 18
do. Strained	8 — 12
Vermont Maple Sugar, per lb	— — 20

Dairy Produce, Eggs, etc.—Wholesale.

The *Wholesale Dairy Market* is not active, large stocks are gathering, and sales not large, the retail trade is all that gives life to it.

Butter, California, per lb. (Fresh)	32 — 37½
do. Packed Roll, do.	24 — 27
Eastern Butter	20 — 22
Cheese, California, per lb	10 — 12
California Eggs, per doz.	27 — 30
Eastern Eggs, per doz.	22 — 25
Duck Eggs, "	27 — 30
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	13 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging Trade* is now at low tide—the dormant season for sellers, but just the time for our grain growers to buy, now is their time, the bags will never opened their mouths for them so wide as now for them to save in price.

We counsel all who want grain bags for their crop of next year, buy now, go to Neville & Co. and secure your bargains without delay—remember last year, the fall season of '77—they could have purchased bags at 8½ cents, they waited and paid 12½ to 15 cents—learn wisdom and buy now.

Hand Sewed Bags, Standard, 22x36 com. prices	8½ — 9 cts.
Second Hand, Extra	8 — 8½ do
Machine Sewed, 22x36	10½ — 12½ do
do. do. 20x30	10½ — 11 do
Barley Bags, 22 x 40	11 — 12½ do
" 24 x 36	9½ — 10 do
" second hand	— 9½ do
Wool sacks, new	45 — 55 do
do second hand	30 — 40 do
Potatoe Gunnies Double Sewed	13 — 14 do
do do. Second Hand	10½ — 11 do
Flour Bags, quarters	6½ — 6½ do
do. halfs, six qualities	9 — 11 do

Staple Home Products.

The exhibit of *Home Products* are not as large as usual—cold and storms prevent a large stock, Oranges and Lemons are not yet in good stock, only the first small crop—Raisins are very fine, the "Blower" Raisins of Woodland now sweep the market and are highly esteemed abroad, where large quantities are sent. California Nuts and Almonds are fine, and so of our Peanuts—our own products are always the best.

Flax Seed, per lb	2½ — 3½
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	3 — 3½
Castor Oil No. 1 Diamond in cases, per gallon	— 1 10
" " " barrels "	— 1 05
Castor Oil, No. 2 Diamond in cases per gallon	— 1 00
" " " barrels "	— 95
Linseed Oil, Boiled	— 75
do. Raw	— 72
Cocoa Oil	— 55
Hops, California	8 — 10½
Alfalfa	12 — 14
Mustard Seed	2 — 3
English do.	4 — 6
Canary Seed	4 — 5
Coriander Seed	8 — 10
Broom Corn	4 — 6
Bees Wax	23 — 28
Pea Nuts	5 — 7
Walnuts	8 — 10
Almonds, Soft Shelled	12 — 14
do. Hard do.	8 — 10
Pecans	14 — 15
Filberts	12 — 14

California Leather Market Report.

The *Leather, Hides* and *Tallow market* still continues stagnant, but prices do not yield much—the trade in all these will revive soon.

California Sole Leather	23 — 30
do. Harness do.	— — 30
do. Skirtings	34 — 37½
Bridle Leather	4½ — 6½
Rough do. Oak Tanned	18 — 25
Waxed Calf Skins	50 — 1 00
do. Kips do. per dozen	20 00 — 55 00
do. Leather per foot	15 — 17

Wool, Tallow, Hides, Etc.

The *Wool market* remains very quiet, home demand for manufacturers light, but some overland shipments and some are now on the way, the "Gen. McClellan" sailed lately as reported by sea, the "Gen. McClellan" sailed lately as reported by the *Market Review* this ship, and carried away 1047 bales wool, 1,030 546 pounds, so much to relieve our market.

Wool, Spring Clip	16 — 18
do. Choice Extra	17 — 20
Fall Clip	14 — 18
Oregon Wool, per lb	19 — 21
Medium, bright	12 — 14
do. Burry	19 — 21
Goats' Wool (mohair)	20 — 25
Dry Hides, per lb	12½ — 15
Green Salted, per lb	7 — 9
Deer Skins	60 — 1 00
Sheep Skins, wool on	50 — 75
do. do. plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	6 — 6½
Tallow, refined	7 — 9

Average Slaughtering Prices.

The *Wholesale Meat Market* continues fully supplied with the best mutton, veal, pork, etc., all good, all low prices, lambs none, all grown into sheep.

Beef, American, 1st. quality	5 — 6½ cts
do. do. 2d. do.	4 — 5 do.
do. do 3d. do.	3½ — 4 do.
Veal	6 — 7½ do
Mutton	4 — 4½ do
Lamb	— do
Pork, Undressed	3½ — 4½ do
do. Dressed	5½ — 6 do

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED ACCOMMODATIONS for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU January 20th, and every fourth week thereafter.

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports, also, HAVANA and all WEST INDIES ports on 5th and 20th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

47 5

GILHAM'S

GUARD WELL THIS NOBLE ANIMAL

HUMANITY TO THE HORSE

—AND ALSO—

Burns, Bruises, Scratches, Scalds, Mange, Etc., Etc.

IT IS THE BEST, AND ONE OF THE MOST REMARKable external applications in use. Recommended and for sale by all traders, druggists and harness makers.

MAIN & WINCHESTER,
214 and 216 BATTERY ST.,
48:15 SAN FRANCISCO.

AUZERAIS HOUSE,

SANTA CLARA STREET, SAN JOSE.

S. W. CHURCHILL, Proprietor.

Auzerais House Coach and Carriages always in Attendance on arrival of trains.

C. P. R. R

COMMENCING

SUNDAY, JUNE 6th, 1875,

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma. (Arrive 5:55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 5:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 5:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 9:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Caliente and Los Angeles. Also at Niles with Train arriving at San Jose 6:55 P. M. (Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily. (Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND.

"Daily"—7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M.; 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 6:30, 6:00 6:30, 7:00, 8:10, 9:20 and 10:20 P. M.

"Daily, except Sundays" 6:10 A. M. and 11:45 P. M.

"Sundays only"—10:30 and 11:30 A. M., 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M., 12:00, 2:00, 4:00 5:00 6:00 and 10:20 P. M.

"Sundays only"—11:00 A. M., and 1:30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:30 and 10:00 A. M., 5:00 and 10:20 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily" 7:30, 8:30 and 9:30 A. M., 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—6:30, 11:00 A. M. and 11:45 P. M.

"Sundays only"—10:30, 11:30 A. M. and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 and 10:10 P. M.

"Daily, except Sundays"—5:10 and 5:50.

"Sundays only"—11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:03 and 9:00 A. M.; 3:00, 3:58, 5:00, 6:08 and 7:00 P. M.

"Daily, except Sundays"—5:00, 6:40, 11:30, A. M., and 1:30 P. M.

"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—6:55, 8:00 and 11:05 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M.; 12:50, 2:40, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:30, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays" 5:20 A. M. and 1:50 P. M.

"Sundays only"—10:20 and 11:20 A. M.; 12:20, 1:20 and 1:35 P. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

Winter Arrangement.

Commencing Monday, December 6, 1875,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows:

8:30 A. M., Daily for San Jose, Gilroy Hollister Tres Pinos, Pajaro, Salinas, Soledad and all Way Stations.

AT PAJARO connects with the SANTA CRUZ, R. R. for Aptos and Santa Cruz.

At Salinas connects with the M. & S. V. R. R. for Monterey.

Stage connections made with this train.

10:40 A. M., Daily for San Jose and Way Stations.

3:30 P. M., Daily, (Sundays excepted,) for Gilroy.

4:40 P. M., Daily for San Jose and Way Stations.

6:30 P. M., Daily for Menlo Park and Way Stations.

The extra Sunday train to San Jose and Way Stations is discontinued for the Winter season.

EXCURSION TICKETS to San Jose and intermediate points and return sold on Saturdays and Sunday mornings—good for return until following Monday mornings.

A. C. BASSETT, Superintendent. H. R. JUDAH, Asst Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 11:00 A. M daily, and making close connection at GOSHEN for Summer, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton Colorado, River and YUMA.

S. P. R. R.

(NORTHERN DIVISION.)

SPECIAL ANNOUNCEMENT.

Commencing Saturday, July 13, 1878.

EXCURSION TICKETS

Will be sold by this Company from

SAN FRANCISCO

—TO—

San Jose and other Points and Return,

At Greatly Reduced Rates.

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NOTICE—SAN JOSE Excursion Tickets (via C. P. R. R.) can be purchased at the Offices of the Central Pacific Rail Road, Oakland Ferry, foot of Market Street, San Francisco, also, at the several Ticket Offices in Oakland. 49:3

1854. 1879.

THE CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FIFTH year with 1879, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD of the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on the Coast—this was at Sacramento in the year of 1852, and also the GRAND FAIR at San Francisco in 1853—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

THE CALIFORNIA FARMER was the first and only advocate of SILK CULTURE, TEA CULTURE, COFFEE CULTURE, COTTON CULTURE, and the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS, and this was in early years when the masses lightly esteemed all such enterprises.

THE CALIFORNIA FARMER was the first and only advocate for the planting of the ALFALFA as a forage plant, and the first to introduce the seed and its culture, and not only this grass, but all other valuable grains and forage plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STONING WHEAT, of SUMMER FALLOW, of SUBSOILING, and of DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL—doctrines that have now, after long years of trial become the basis of true and successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE OF AGRICULTURE, which such years of labor merit, our JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

The TERMS OF THE CALIFORNIA FARMER being placed at a low price, should induce, as we trust it will, a generous addition to our LIST OF SUBSCRIBERS for the year of 1879.

Desirous of placing this old PIONEER AGRICULTURAL JOURNAL, (The only exclusive AGRICULTURAL JOURNAL of the Pacific Coast), before the people at so low a price that all can have it, we make the following

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California Farmer. 1879.

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VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, FEBRUARY 6, 1879. NO. 2.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

No. 320 Clay St., (up Stairs) Below Battery,

SAN FRANCISCO.

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☞ Our full ADVERTISING RATES will be found on the SEVENTH PAGE.

All Letters on Editorial Matters to be addressed to COL. WARREN, EDITOR.

☞ All Letters on Business connected with the Office should be addressed to

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Foreign Correspondence.

THE SANDWICH ISLANDS.

LETTER FROM AN OLD CALIFORNIA PIONEER.

HONOLULU, SANDWICH ISLANDS, Dec. 23, 1878.

COL. WARREN—*Dear Sir*

Hoping this shall find you in the best of health and spirits and knowing the great interest you take in the prosperity of California, and in the farmer's interest, I can tell you how you can all get rich and happy. It was left for the Sandwich Islander to discover the philosopher stones that turn all things into gold. You have only to put the farmer and land-owners on the right track; it works like a charm, if the farmers will ask the Federal Government in Washington to deal as kindly with them as they have done with the Sandwich Islands; that is, to give the farmer 50 per cent. on their grain and fruit, which is done by a scratch of a pen, without any trouble. What the Government has done for strangers they will do with pleasure for their own people—no doubt.

It is the biggest thing out. Land here that could not be sold for any price, now rents for ten dollars per acre. The planters which were all "bankrupt" are now millionaires. They talk about nothing but their immense wealth. They live in grand style, I wish you could see them; the change is incredible, two years ago their property could not have been sold for 10c., on the dollar what it had cost. The Arabian Nights is nothing to it. Think of giving a parcel of trumps from all parts of the known world $2.50 and each hundred lbs. of sugar and rice. You will see the smiling faces of your brother farmer when the Government shall give them $1,00 coin on a sack of grain. Only try it for 7 years—only 7 years. The gold and silver mines is nothing—houses, town lots will as it has, all turn into gold. The man that was able to get that sugar treaty through Congress, will live in history forever. I have in my mind's-eye the condition of things.

When going through the farming countries next year in place of seeing the farmer in the field attending to his laborious business, you find him sitting in the parlor in grand rocking-chair style, with two Chinamen fanning him and a bottle of champagne at his side. He will not inquire about the price of grain, but what he can do with his money, if you think the Banks are good, etc. You will not then believe that he is the same man you saw in so much trouble last year to raise the interest money at the Bank. You will press your hands to your head to see if it is all right—no doubt. Here doctors, tailors, shoemakers and merchants, all hands are going into the sugar business. The King himself has gone into it. But this is but a small country compared to California, and will only be a drop in the bucket. You will no doubt buy up all U. S. Bonds as fast as they can be bought. They say here that Mr. Spreckles will have 40,000 tons of sugar next year; think of that, 2½cts. premium. Two years ago this country was utterly bankrupt; the people were all leaving that had the means of doing so. They talked of nothing but the miserable condition of the country. It looks like a fishery but it is a fort. Just think you people of property in California that can hardly get rent enough to pay your taxes, here they give their King $21,600 a year; $50,000 for his body-guards; $60,000 for a new house, they have sent $10,000 to Boston for a cast iron Kanaka. But the beauty of it is this—it all comes out of the people of the United States. Now sir, I wish you a Happy New Year.

Very Respectfully, SAMUEL NORRIS.

P. S.—The sugar treaty should be set aside, it is a gross fraud on the people of U. S.

Home Correspondence.

THE SALMON TRADE.

SAN FRANCISCO, January 24, 1879.

COL. WARREN—*Dear Sir*

Your article on this subject in the FARMER, Dec. 26th, contains some errors which I hope you will permit me to correct. It is also I think more narrow and local in its tone than is consistent with that leadership which seeks to enlarge the views of that class of the people who are the creators of the world's wealth.

Your error is in stating that the Fish Commissioners have been sending salmon ova to the "Eastern and middle States, to Europe and almost everywhere, to Australia and New Zealand and recently to Germany very largely." These salmon eggs have been taken from the fish, fecundated and shipped by the *U. S. Government* and the expenses are paid by an annual appropriation by Congress. The United States also gives to this State annually without cost from two to three million of these eggs with which to keep up and increase the supply in our rivers. You say:

"Now we ask the reader to reflect upon the result of thus sending our 'Salmon Ova,' abroad, where every river and stream will be stocked, how long will it be before our Export in the Salmon trade will be checked or completely superceeded by their own Home supply."

I think this is a noble act on the part of the Government. It is now doing something still more enlarged and generous. It is catching codfish in the Bay of Fundy (each female fish has an average of two million eggs) and is hatching these at Gloucester, Mass., and turning the young fish by millions into the ocean, Who so narrow as to object that some of these may be caught by Englishmen, Frenchmen or Germans and to that extent thereby Gloucester fishermen be injured. There is no more danger that the rivers of the world will be overstocked with salmon than there is that the world will be overstocked with gold. The more they are spread abroad the greater will be the demand. I hope the time may come when the rivers of New Zealand, Australia, Chili Germany and the south of Europe will be filled with California salmon, and all of the sloughs, lakes and warm ponds of America with Carp from Europe and Gouramí from Cochin, China. Any action of a Government that creates cheap and nutritious food for the human race is to be commended. You would admit that it would be a selfish and narrow policy that would cause the Government of Equador to prohibit the exportation of the seeds or plants of the Cinchona to India because while all humanity would be benefitted, the bark-gatherers of Equador might in a hundred years have their profits lessened.

When Europeans settled North America there were no animals domesticated, and no cereals cultivated other than maize. To the food of the world, of native products, so far as I can now remember. America has added only Indian corn potatoes, tomatoes and the domestic turkey. Our wheat, rye, barley, horses, cattle, valuable grasses are all natives of other countries. Suppose these other countries had prohibited the exportation of horses, cattle and wheat to America because such exportation might have injured the business of their people who raised and cultivated these products? China pursued this policy with silk-worm eggs, but you would hardly take the policy of China as a guide.

The rivers of Maine and Connecticut, from obstructions and unregulated fishing, had been exhausted of Salmon. Our Government applied to Canada to purchase or take salmon eggs from her waters with which to restock these streams. Canada was doing a large business in sending fresh and cured salmon to Boston and New York. No such policy as you have suggested was pursued. Canada sold us the eggs at a good round price as she would have sold a new and valuable variety of wheat or an improved breed of horses or cattle.

Europe and Asia have given us all our most valuable domestic animals, cereals, fruit trees and grasses. If we can increase their food supply let us do so. The world would be benefitted and food would be cheaper and more easily obtained if every river, stream pond and lake was filled with all the valuable food fish they could support. Let us have the best and most prolific fish of other countries for our waters and in return give the best we have. America could not then repay for all that other continents have given to her.

I believe with Malthus that the time is coming when the world will be over populated, when there will be literally a struggle for human existence. The work of postponing this evil day was commenced by our Government when it authorized Prof. Baird, Secretary of Smithsonian Institute, to hatch fish and turn them into the ocean. Three-fourths of the surface of the globe is water; every cubic foot is filled with millions of animalculae on which higher organisms can feed, these again become food for others still higher. The capacity of the ocean for the production of human food is therefore almost illimitable. When the intellect and discoveries of man are applied to the increase of those fish valuable for his food at the expense of the lower organisms, there appears to be no present limit to the amount of food that can be produced at a trifling cost. It may be that the Gloucester fisherman may never catch one of the fish thus hatched, but other fishermen may, and so much increase will be added to the world's supply. If, as Franklin said, that man is a benefactor to the race who causes two spears of grass to grow where but one grew before, how much greater a benefactor is that Government that creates a vast additional supply of food not only for its own people but for all people and for all time.

The rivers of this Coast cannot supply the market of the world with salmon. The world is not a quarter supplied and yet all our rivers other than the Sacramento, are becoming exhausted. The Columbia is falling off year by year, and the "Canners" are moving their works to other streams. It was the testimony of a fisherman of the Sacramento who had been twenty-eight years in the business,—before a Legislative Committee last winter,—that he did not know a man in the business who would not catch the last salmon if he could even if it caused the race of salmon to become extinct, and he added he did not know of a canning establishment that was not ready to purchase this last fish.

The State of New York a few years since during two seasons hatched eighty million of shad and turned them into the Hudson. Shad had been selling for a dollar a piece. When these came back from the ocean they were taken in such large numbers in the Hudson that they sold for ten cents a piece in the New York market. Fishermen and nets increased in the same proportion. They became so numerous that the fish could not reach their spawning grounds. The law regulating the times for netting was defied and Seth Green had to commence the work of hatching sturgeon so that when these grew they would tear holes through the shad nets and allow some shad to reach their spawning beds.

With unrestricted fishing, with salmon canning as profitable as it has been for some years past, with a public sentiment that does not sustain the laws for the protection of fish and that does protect and preserve the natural enemies of the salmon, it is necessary that our Government should send the eggs of our fish to rivers in other countries. If it did not do so and at the same time artificially replenish our rivers the salmon would soon become as extinct as the Mastodon, the Irish Elk, the Great Auk, the Dinornis and the Dodo.

B. B. R.

IMPROVEMENT IN HORSES.

There has been no plan for the true and permanent improvement in the breed of our Horse Stock in all the years of trial on this Coast that has approximated to the right standard, until the action taken by Gov. Stanford at his Stock Farm at Menlo Park.

We know of many efforts made by Breeders of Blood Horses upon a small scale and for their own individual gain and benefit, but no plan has ever been laid and carried on with an enlarged view of a grand public good, until the plan was adopted to which we allude, and now being perfected at the Stock breeding grounds at "Palo Alto."

The character and quality of the Stock selected and purchased for Gov. Stanford by the best judges, number at present some *three hundred animals*, Stallions, Brood Mares, and young Stock, and is beyond question the very best collection of Horse Stock in the United States, and these are to be bred from with the noble purpose of faithfully advancing a great and valuable interest for the public good, as the future will show, the past efforts of the same gentleman in the scientific development of the Horse's action in trotting and racing, by Maybridge, is guarantee of future great improvements in the interest of this noble animal.

Searle's Wine Factory.

The manufactory on Jackson Street of what is known as the De Turk and Searle Sherry Wine, is now one of the features of the wine trade of our city.

There is manufactured from 12,000 to 15,000 gallons per month, the great bulk of which is now shipped to New York, the last year over 100,000 gallons were shipped from this manufactory.

All Copies of the FARMER sent from this Office are POST PAID by us, consequently, all who *receive our Paper are relieved from all Postage* at the Office where they are received.

OUR EXTRA EDITION.

THE GREAT DRAGON TREE OF TENERIFFE.

OUR ILLUSTRATION.

The largest specimen ever known was one of Dracæna Draco, or the Dragon tree of Orotava in Teneriffe, one of the Canary Islands. This tree was remarkable for its monstrous dimensions and prodigious longevity. About eleven years since, or in the autumn of 1867, this magnificent specimen was destroyed by a gale of wind. It was a special object of interest in the Canary Islands, and received the attention and veneration of visitors, as do the great Sequoia trees of California. Its trunk below the lowest branches was eighty feet in height, and ten men holding hands could scarcely encircle it; by one measurement this span around it was seventy-nine feet. The trunk was hollow, and in the interior was a winding staircase, by which one might ascend as far as the part from which the branches sprang. It is affirmed by tradition that, when the island of Teneriffe was discovered in 1402, this tree was as large, and the cavity in the trunk as great, as at the time of its destruction. We are even assured that in the fifteenth Century, at the time of the conquest of the Canaries by the Normans and Spaniards, they celebrated mass on a little altar erected in this cavity. From the slow growth of the young Dragon trees in the Canaries, it has been estimated that this monster tree, before it was destroyed, was the oldest plant upon the globe. A writer in describing it, says: "Long leaves, pointed like swords, crowned the extremities of the branches, and white panicles, which developed in autumn, threw a mantle of flowers upon this dome of verdure." The popular name of this species is Dragon's-blood Tree, because of a resinous juice of a red color which exudes from the cracks in its trunk. At one time this resin formed a considerable branch of commerce, as it was used medicinally as an astringent, but it has fallen into disuse.

[We are indebted to the courtesy of James Vick, Esq., the popular seedman and florist, of Rochester, New York, for the above illustrated cut, and the facts stated in his admirable *Magazine*, which every lover of flowers should subscribe for—(see club list of the FARMER.—ED. F.]

Our Advertising Patrons.

We call special attention to the following in our Journal:

To the NURSERYMENS' business; now is the time to purchase such stock and we advertise only the best.

To the SEEDSMEN abroad, who offer new and valuable stock those we advertise are most reliable.

To the Santa Clara Valley Nursery of B. S. Fox, Esq., especially, whose immense stock is worthy of particular remembrance.

To purchasers of Lands and Farms, to the Advertisement of Steiner, Klauber & Co., their special Land Sales.

To our *Sheep Men* to the valuable remedy of S. H. Kennedy, Esq., of Omaha—agency of same at J Moore & Co., Front street, San Francisco.

Premium Seeds.

Seeds from Rural New-Yorker Office.—We have been favored with sample parcels of the Seeds sent out to all subscribers to this Journal, and which are choice.

Our readers will bear in mind that we *club* the FARMER and the *Rural New-Yorker* now, and send them for ($6) six dollars with the Seed Premiums from each Office—a rare chance.

WARD'S FERTILIZERS. These very superior kinds of *Fertilizers* and also *Insect destroyers* should be universally used upon plants and flowers

THE GOOD OLD DAYS OF '49.

We promised in our last issue to publish *Records of the past* that we might recall to the minds of our "Old Pioneers" some reminiscenses of those "Good Old Times" when trade was lively, profits large, and money plenty, and what is always better and of more value than gold or silver, to recall the times and memories of those who were ever the ready helpers and friends of all their brother men.

The following account current of the Schooner "John Dunlap" up the Sacramento River in early '49, will be read with interest and astonishment, by those of later times, the names of the early Merchant Shippers on the "John Dunlap" will revive many recollections of the past, for nearly all here named are sleeping in the "Spirit Land."

The name of W. H. Stowell, Esq., now a Commission Merchant of our City was the head Bookkeeper with Simmons, Hutchinson & Co., and at a salary of $500 a month, A. F. C. Eugert, 412 Front St., was also with the Firm with Mr. Stowell.

The special lists of freights and passage money we give, freight to Sacramento paid from $20 to $60 per ton, passages from $20 to $30 each, these were the "Good old Times" of '49.

These days have past and left no sign, a goodly host of our Pioneers are gone and with but a few years

These days have past and left no sign,
A goodly host of Pioneers
Are gone, and in a few years
That noble host will pass away
To a better home and a brighter day.

Schooner "John Dunlap and owners, in account current with Simmons, Hutchinson & Co.

1849.		Debtor.
June 5.	To amount paid clerk,	$ 10
"	To amount paid for mooring	15
"	To amount pd. Capt. Marsh's bill of disbursements, 1st trip	862 50
June 25.	To amount pd. Capt. Marsh's bill of disbursements 2d trip	1,295 88
"	To amount of provisions used belonging to R. Gelston & Co..	97 90
"	To balance of wages due Mr. Gillen	65
"	To Mellus, Howard & Co., bill of rope	47
"	To DeWitt & Hanson, bill of use and scow	75
"	To Cross, Hobson & Co, bill of stove	64
June 27.	To E. S. Marsh, per ½ balance of account	5,484 24
"	To R. Gelston & Co., per ½ balance of ac.	5,484 24
	Total	$13,010 75

1849.		Creditor.
June 4.	By R. Gelston & Co., bill of freight	$ 4,074 36
"	By cash received for freight and passage money	2,277 40
June 7.	By cash for passage money, 2d trip	1,793
"	By cash for boating for Vermont Co.	5
June 25.	By amount of freight and passage money collected by Capt. Marsh, 2d trip	1,122 02
"	By R. Gelston & Co., bill of freight	3,929 47
"	By H. E. Robinson, bill of freight	114
"	By Sagrt & Southard, bill of freight	28
"	By I. Savage, bill of freight	232 50
	Total	$13,010 75

SIMMONS, HUTCHINSON & CO.,
SAN FRANCISCO, June 10, 1849. per WM. H. STOWELL.

WINE AND SPIRIT REVIEW.

From Messrs. J. R. Parkington & Co.,

Our Correspondent at London,

Crutched Friars, London, E. C., January, 1879.

[We give only a part of an extensive Report sent us—not space for all, but these facts are important to our Wine Interest.—Ed. F.]

THE VINTAGE.

The Vintage of 1878, taken as a whole, was far from satisfactory. The weather was too damp and variable to allow the vines to flourish to any great extent.

It is calculated that the French wines in 1878 amounted to 48,720,000 *hectolitres*, whilst the average yield for the ten years from 1869 to 1878 was 56,204,694 *hectolitres*, or 1,236,503,268 gallons. The falling off is attributed to the ravages of the *Phyllozera* and *Oidium*, of which we have so frequently written. The Cognac districts have suffered most, and hence the hardened state of the Brandy market.

The Claret yield (classified growths) was good, but in those districts producing cheap and medium wines there was a serious decrease.;

The vintage in Germany was a complete failure as regards both quality and quantity. The unseasonable weather and the *Phyllozera* rendered the yield of the Douro very small, and according to estimate only about 35,000 pipes. A rise, therefore, of from £2 to £4 per pipe in the cheaper wines has taken place. The Sherry vintage was, as anticipated, most disastrous for farmers as well as shippers. Madeira was favored with quantity, quality and reasonable prices.

CHAMPAGNE.—The eagerness of some of the leading shippers to purchase prior to, and at, the gathering caused great surprise, and the prices paid were high to absurdity. Those who preferred to wait were able to buy at much more reasonable rates. The new wine is better than was at first expected, but will not rank as a noted vintage. The 1874's have been in great request, and there now remains but little at the disposal of shippers. Prices are very firm for this vintage.

CLARET.—The Bordeaux market was very flat during the first half of 1878, but has been tolerably active since July. The 1875's, 1876's and 1877's have sold freely, and stocks of old wines in hands of growers are, therefore small. Heavy parcels of cheap and medium 1878's were secured even before they could be tasted, and prices show an upward tendency.

PORT and SHERRY.—The official figures for December have not yet reached us, but we conclude they will only further decrease the returns, which already exhibit a decline of about 17 per cent. and 20 per cent. for the eleven months.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have GRAIN to sell and to keep.

TO FARMERS.

Neat be your farms, 'tis long confessed
The neatest farmer is the best.
Each bog and marsh industrious drain,
Nor let vile balks deform the plain,
Nor brushes on your headlands grow,
Nor briers a slovenly culture show.
Neat be your barns, your houses neat,
Your doors be clean, your court-yards sweet;
No moss the sheltered roof enshroud,
Nor wooden panes the window cloud;
No filthy kennels foully flow,
Nor weeds with rankling poison grow;
But shades expand and fruit trees bloom,
And flowering shrubs exhale perfume;
With pales your garden circle round;
Defend, enrich, and clean the ground;
Prize high the pleasing, useful rood,
And fill with vegetable good.

DAN'S WIFE.

[We find a sad but a too true picture of the wife in *The Laws of Life*, which we copy in the hope that many a husband, who perhaps thoughtlessly overlooks his overworked wife, may read a lesson and make amends before it is too late, as shown in this touching poem.—ED. F.]

Up in early morning light,
Sweeping, dusting, "setting right,"
Oiling all the household springs,
Sewing buttons, strings,
Telling Bridget what to do,
Mending ripe in Johnny's shoe,
Running up and down the stair,
Tying baby in her chair,
Cutting meat and spreading bread,
Dishing out so much per head,
Eating as she can, by chance,
Giving husband kindly glance,
Toiling, working, busy life,
"Smart woman,
Dan's wife."

Dan comes home, at fall of night,
Home so cheerful, neat and bright,
Children meet him at the door,
Pull him in and look him o'er,
Wife asks how the work has gone?
"Busy times with us at home"
Supper done—Dan reads at ease,
Happy Dan, but one to please;
Children must be put to bed—
All the little prayers are said,
Little shoes are placed in rows,
Bed-clothes tucked o'er little toes,
Busy, noisy, wearing life,
Tired woman,
Dan's wife.

Dan reads on, and falls asleep,
See the woman softly creep,
Baby rests at last, poor dear,
Not a word her heart to cheer,
Mending basket full to top,
Stockings, shirt and little frock,
Tired eyes and weary brain,
Side with darting ugly pain;
"Never mind, 'twill pass away,"
She must work but never play;
Closed piano, unused books,
Done the walks to cosy nooks,
Brightness faded out of life,
Saddened woman,
Dan's wife.

Up stairs, tossing to and fro,
Fever holds the woman low;
Children wander, free to play
When and where they will to-day;
Bridget loiters—dinner's cold,
Dan looks anxious, cross and old;
Household screws are out of place,
Lacking one dear, patient face;
Steady hands, so weak but true,
Hands that knew just what to do,
Never knowing rest or play,
Folded now and laid away;
Work of six in one short life,
Shattered woman,
Dan's wife.

MARKETS FOR HONEY.

The general markets for honey during November has been about as follows, i. e., for good, choice, marketable honey.

NEW YORK MARKET.

Strictly white comb, put up in what is called small cup	20 — 22
Put up in large cup	16 — 20
Dark shades of honey	12 — 14

The sales of beeswax from June 1st, for the year thus far, over 100,000 pounds, prices realized from 25 to 30 cents.

CHICAGO MARKET.

Choice white comb honey	16 — 19
Liquid honey, in jars	9 — 10

Beeswax realized from 25 to 29 cents.

LOUISVILLE, KENTUCKY, MARKET.

Choice white comb, only	12 — 16
Liquid strained honey	6 — 10

Beeswax realized from 25 to 28 cents.

CINCINNATI MARKET.

Choice white honey, small cup	15 — 20
Best pure strained	10 — 12

Beeswax realized from 23 to 28 cents.

SAN FRANCISCO MARKET.

Choicest white honey in comb	14 — 18
Choicest strained, in glass jars	10 — 12

Beeswax realized from 26 to 29 cents.

Change of Seed.

One of the surest means of securing choice Grain of all kinds and we might add with truth almost every variety of product raised from seed, is to procure new seed from other sections of the world every few years, change of soil and climate with seed when carefully practiced, is certain to produce an increase of quantity and an improvement in quality, it is very essential that Seed of any kind should not be continued year after year raised from the soil and planted as it is termed "in and in," a change is necessary to insure success.

AGRICULTURE.

THE SCIENCE AND BASIS OF ALL WEALTH.

[We present our readers, and especially our cultivators of the soil, with the following essay, which we give (only a part of it) from the Report of the Hon. Thomas P. Janes, the able Secretary of the Board of Agriculture of Georgia. The Report from which we copy contains a vast amount of valuable statistics of the crop of that State, and its rapid progress in agriculture, the report is a very valuable one, for which, thanks to the secretary.—ED. F.]

Is it not wise to consider the relations between agriculture and the State, as well as the duty of the aggregation of citizens called the State, to foster this great fundamental productive interest?

The miner exhumes the ore already existing in the earth, but useless to man until taken from its bed.

The manufacturer changes the form of already existing crude material, prepares it for man's use, and thus increases its value.

The mechanic changes the form or brings into new combinations crude or partially manufactured materials, and by his skill presents them in forms useful to man and enhanced in value.

Mining, manufactures and mechanics are productive but not creative industries—they produce values, but do not create products.

The skillful agriculturist creates products not before existing, and at the same time increases his power of production by the improvement of the soil.

Every pound of cotton, ear of corn, grain of wheat, pound of wool, mutton or beef, produced on the farm is so much added anew to the wealth of the State. Every dollar added to the value of an acre of land by the skill of the farmer increases the income of the State one-half of one per cent in the form of taxes.

Mining and mechanics may be classed as a species of manufactures, so that we may say, with perfect propriety, that agriculture and manufactures are the "nursing breasts" of the State. Without them no values are created, no wealth produced. On them depend individual and collective subsistence, comfort and prosperity.

Agriculture is the only source of primary creative production. Manufactures, mining and mechanics enhance the value of products, but do not create them.

Agriculture not only creates products and hence values, but if skillfully conducted, its productive capacity is increased even during the exercise of its creative power. Not so with any other productive interest. The greater the skill and energy brought to bear upon mining, the sooner the mine is exhausted

The more persistently the machinery of a factory is run, the sooner its productive capacity is impaired.

Agriculture and mining furnish the crude material for almost the entire manufactories of the world.

Agriculture, in its most comprehensive sense, feeds and clothes the world, and yet its productive power is continually increasing. Its handmaids, science and mechanics, are yearly becoming more subservient to its commands. Civilizing the necessity of extending the fostering care of their organized power to its advancement and development.

Recognizing it as the fundamental source of their wealth, and that upon the knowledge and skill of its votaries depend the increase of its productive power, departments, schools, colleges and experimental stations have been established for its encouragement. Under such fostering care it is no longer regarded as an art controlled by mere empiricism, but has taken its proper status in the estimation of men and nations as a science, to which other branches of science are made tributary.

Geology, botany, meteorology, physiology, chemistry, mechanics, zoology, entomology—all the natural sciences which existed as such while agriculture was looked down upon as a mere art, are now proud to make their contributions to the science of agriculture.

As a mere art, agriculture was exhaustive of her own resources; as an applied science, she builds up her waste places, and while yielding annual profits, constantly increases her producing capacity.

The suspension of agricultural productions for a single year would stop the wheels of factories, suspend every branch of business and depopulate the earth by famine.

Assuming, then, as we may safely do, that agriculture is the great primary source of the production of wealth, and that upon which all other industries depend for their very existence, the questions for the people of Georgia to consider are:

1. What can individuals do to increase its productive power?

2. What can voluntary organizations do by co-operation that cannot be accomplished by individual enterprise?

3. What should be done by the State, or the political organization of citizens, which can neither be done by individuals nor by voluntary organization?

The duty of individuals, stimulated, as it is, by self-interest, would need no illustration, were all engaged in agriculture, possessed of the knowledge and skill necessary for the most judicious conduct of their peculiar business. Unfortunately, however, this is not the case, and is not likely to be for many generations to come.

Successful agriculture secures a liberal annual profit upon the capital invested in land, appliances and labor, and at the same time increases the fertility or producing capacity of the soil.

Wasteful agriculture, such as is practiced in the early history of every country, may secure annual profits, but is often accompanied by a diminution in the fertility of the soil; and hence a reduction in the value of the capital invested in land.

This has been the histories of the agriculture of most countries as the result of a destructive system of cropping without return to the soil of fertilizing material until agricultural exhaustion take place.

Recuperative agriculture, under the influence of science and skill, build up the waste of the previous system, and results in successful agriculture. Many of the countries of Europe have long since reached this point, the older portions of the Northern and Middle States more recently, and it is believed that Georgia is just entering upon the recuperative system which, if persisted in and properly fostered, will, before many years shall elapse, make Georgia what she should be—the most successful agricultural State of the Union.

To accomplish this, agriculture, as a pursuit, must be dignified in proportion to its importance, and the rising generation of young men must be not only impressed with its dignity but educated with a view to its successful practice.

The most pressing present duty, therefore, of individuals engaged in agriculture, is to avail themselves of the teachings of science and that of the practice of the most advanced and successful agriculturists, to educate their sons to the principles of agricultural science, and their application to agricultural art, to realize, themselves, the dignity and importance of agriculture as a pursuit, and impress the same upon their sons and daughters

To do this, they must keep abreast with the progress of agriculture as an applied science, by reading the best agricultural books and journals, by attending the meetings of clubs and societies where the information of one is made the property of all, by attending fairs where the results of the best practice are exhibited, and, lastly, personal supervision must be given to all the work of the farm, in order that muscle and machinery may be under the immediate guidance of brains.

When those engaged in agriculture properly appreciate their noble calling, and by the necessary mental culture, place themselves in a position to command the respect for their avocation from all other classes of citizens that its importance and their dependence upon it seem to demand, the trades and professions will be less crowded, and the farm sought by the best talent and material that the country affords.

How is this to be done?

Education, both of farmers and farmers' sons and daughters, must be relied upon as the lever for the elevation of the great agricultural masses. They must read more, think more and bring more knowledge and skill to bear upon their daily avocation. Not only is agriculture the most important productive resource of the State, but it affords a wider field for the exercise of executive ability and the application of knowledge than any other avocation pursued by man.

There is much that may be done by individual enterprise for the advancement of our agriculture which cannot be accomplished by any other agency, but its paramount importance to all classes of citizens, and its controlling influence upon the material prosperity of the State, justify the conclusion that other agencies than individual enterprise should be brought into requisition. There is much that can be done by voluntary organization and co-operation.

THE FUTURE GRANARY OF THE WORLD.

South Australia, having carried off the highest prize for wheat at the Paris Exhibition, has established her claim to be classed among the most important grain-producing countries; and as this award is certain to bring into more general notice the capabilities of the colony, it is pretty certain that the quantity of its cereal produce will eventually exceed that of any other country, as much as its quality has now been proved superior to that of all others. The actual area of land in the colony, excluding the "Northern Territory," which is tropical in its climate, and not so well adapted to the production of corn, is about 240,000,000 acres; and although perhaps one half at least of this is available for arable purposes, not more than one-thousandth part is actually under cultivation of the barest kind. Agricultural settlement has not, according to Mr. Boothby, extended 150 miles from the coast, and pastoral occupation may be said to have reached no further than 500 miles. Over the whole vast area the population does not exceed 211,000; and yet more than one and a half million quarters of wheat were reaped at the last harvest, the total area under wheat being about a million acres. That the quality of the samples exhibited at Paris, which carried off the prize against the rest of the world, was not extraordinarily good, but fairly represented the average quality of the wheat produce, is shown by the fact that the prize wheat exhibited at the Colonial Agricultural Shows during the last years has averaged 63 lb. per imperial bushel. The comparatively small yield per acre, shown by the above statistics, is accounted for by the facts, that the whole area returned as "under wheat" is not actually all sown every year; that a great portion of the soil has been sown with wheat for many successive years without manure or rest; and that the limited means of the farmers have precluded that perfect cultivation which is practised in other countries where wealth and mechanical appliances and labor are more abundant, though, in some districts where these advantages are to be found, the average yield of wheat is as high as twenty-seven bushels per acre.

Feed down your Grain.

The cold weather of late and especially in many places near the cold line grain has been chilled and blighted by the prevailing Northers, and considerable grain has been more or less frost touched, but this will do little or no injury; the best thing a Grain Grower can possibly do will be to turn a flock of sheep or young calves in upon this grain and let them eat it off; young stock can do no great harm not half as much injury as benefit, by feeding off the early growth it gives the grain a check back, causing it to throw out a great mass of *extra roots;* which will cause the grain to stool strong, and thus make many stalks of grain where if this was not done there would be but one.

We earnestly commend this plan to our Grain Growers, if they hesitate about doing this on a large scale let them try *half a field* and they will then see the result, and we are sure that the benefit of the grain by this plan will be so great that they will ever after adopt our plan, as a general rule.

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Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March:

"A sack of salt contains 7,168 half-ounces, therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $ 500. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory filled salt, therefore, is there any gentleman who would risk the spoiling of $1,500 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $13; for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams; and for household purposes, it costs at 50 cents extra per annum for a family of six. Why not use the best salt?"

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IN SHEEP.

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NON POISONOUS

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Manufactured by

S. H. KENNEDY, Omaha, Nebraska, eradicates the pest. This is the only dip that adds to the staple and value of the wool. It will cure the most obstinate cases—diluted 150 parts hot water, and will not cost A CENT A HEAD each dipping. Packed in ONE and FIVE GALLON TIN CANS.

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25 NEW YEAR CARDS, with name, 20c. 25 Extra Mixed, 10c. GEO. I. REED & CO., Nassau, N. Y. 47:13

Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

BOTANIC GARDENS AT BRISBANE.

We have been favored by Walter Hill, Esq., the excellent Colonial Botanist and Director of these Gardens, with his able report to the Legislative Council, it is a valuable work, showing how much has been done to advance the public interest, and at same time advance and improve the public taste, the expenditures by the Government are always on a liberal scale, and this it is that so distinguishes the English Government, from many others in scientific enterprizes.

The Director says:

The season of 1877-8 has been specially marked by a continued drouth, extending from the month of July, 1877, to February, 1878, the aggregate rainfall during that period only amounting to 19¾ inches. On the 28th December last year we were visited by an unusually heavy hail-storm, which caused considerable damage, especially among the *araucaria, excelsas*, and camellias; many plants of a tender nature were also destroyed during this storm by the breakage of glass in the breeding pits and green-house (the roof of the latter being only saved by the wire covering), and the sudden check experienced from the hail lying a long time at the roots. The breaking up of the drouth and a continuance of genial rain have already done much towards repairing the damage done, and restored the general appearance of the gardens to such an extent that the effects of the untoward events above referred to are scarcely noticeable.

The rosery during the past season has been a special attraction to visitors. Never since the gardens have been established has there been such a display of rose blooms of all shades and colors, and there have been fifty new varieties added to the collection. The plantations of the rhododendrons and azaleas were also a special feature in the gardens during the months of September and October last, the varied colors and luxuriant growth being much admired by visitors. The borders along the sides of the different lines of walks have been planted with *francisceа latifolia, francisceа uniflora, francisceа eziuia, francisceа calycina, francisceа acuminata, francisceа lindeni, gardenia florida, gardenia fortunii, gardenia thunbergia, gardenia stanleyana, gardenii rothmannii, brunsea coccinea, brownea ariza, Jonesea asoca, plumieria acutifolia, acalyphas*, &c., &c. All of these plants are thriving admirably, and from their beautiful foliage, exquisite scent, and varied colors of bloom, a very pleasing effect will be realized. The island is especially rich in tropical foliage plants, there being some magnificent specimens of the *caryota urens, coryphea Australis, seforthia elegans, areca lutescens, alsophila dicksonia, cyathea*, &c., their stems being covered with *platycerium ophioglossums, cittaria* and *angiopteris, marattia*, and *thanmopteris*. The great collection of palms and ferns at this spot, all in the most luxuriant growth, surrounded by bamboos, forms one of the most attractive features in the gardens, especially to visitors from the neighboring colonies.

The aquariums, with the white *nelumbium album*, pink *nelumbium Leichhardti*, and blue *nymphæa gigantea*, water lilies, which blossom most luxuriantly during the months of January to March, are usually the subject of much admiration. The walks on either side of the *araucaria bidwelli* (bunya bunya) is the most favorite promenade of the public, and the noble line of these spendid trees justly excites general admiration. Several fresh beds for the reception of flowers have been laid out between the fountain and the aquarium, but it has been deemed unadvisable to plant them until the total eradication of the nut grass has been effected, and which is now nearly completed.

There has been a marked improvement in the attendance of the public during the past year, and it is gratifying to have to record that, with but very few exceptional cases, the regulations lately promulgated have been strictly complied with. This is mainly attributable to the discontinuance of the practice of allowing the use of the gardens for public entertainment, at which a number of reckless people were drawn together, and much wanton damage was the result.

Good and Beautiful.

Our readers who are not acquainted with the fact may be benefitted by being informed that one of the handsomest magazines in existence is *Vick's Illustrated Monthly Magazine*, published by James Vick, Rochester, N. Y. Each number contains one or more beautiful colored plates, representing some flower or family of flowers, worth more than the price of the *Magazine*. In the January number we find two colored plates, one a group of roses, and the other illustrating church and holiday decorations, with a world of information on the subject that will be invaluable to the ladies especially for public festivals.

COSTLY GARDENS.—The expense to which the late Duke of Devonshire went in relation to the gardens at Chatsworth is illustrated by the fact that it cost him $5,000 to convey thither one enormous palm tree, weighing twelve tuns. Sir Joseph Paxton, who is believed to have derived the idea of the Exposition building of 1851 from the great conservatory at the duke's, was his head gardener.

A Swedish colony of 10,000 persons is in negotiations with the Canadian government for lands on which to settle.

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I offer for sale trees of the following varieties of fruit introduced by me in California, and most all on in full bearing on my grounds, viz:

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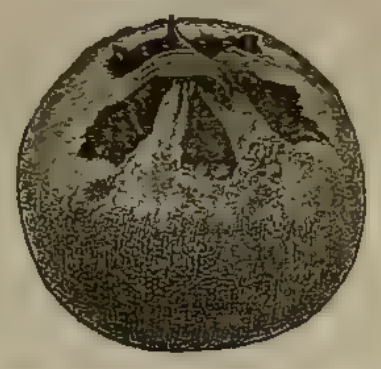

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☞Send for Descriptive Catalogue and Price List.☜

FELIX GILLET, Proprietor.
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The following, of very extra size and form, can now be had for planting this Autumn.

The WEEPING BEECH, MAPLE, BIRCH, ASH, ELM, POPLAR and LINDEN these are the most beautiful Ornamental Trees known, adding grace and beauty to the surroundings of every home and increasing the value of every estate where they are planted.

The plates and drawing, showing these trees in their growing condition, can be seen and these trees secured on applying to

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SAN FRANCISCO.
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For the destruction of Insects and Vermin on Plants Fowls and Animals. Enough to make Four Gallons sent by Mail for 25 cents.

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Can be had at the Reading Room of THE CALIFORNIA FARMER, 320 Clay Street, San Francisco.

My annual Catalogue of Vegetable and Flower Seed for 1879, rich in engravings, will be ready in January, and sent FREE, to all who apply. Customers of last season need not write for it. I offer one of the largest collections of vegetable seed ever sent out by any seed house in America, a large portion of which were grown on my six seed farms. *Printed directions for cultivation on each package.* All seed *warranted to be both fresh and true to name*; so far, that should it prove otherwise, *I will refill the order gratis.* The original introducer of the Hubbard Squash, Phinney's Melon, Marblehead Cabbages, Mexican Corn, and scores of other vegetables, I invite the patronage of *all who are anxious to have their seed directly from the grower, fresh, true, and of the very best strain.* **New Vegetables a specialty.**

45:21 12t JAMES J. H. GREGORY, Marblehead, Mass.

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—AND—
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IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL of 1 be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms and Libraries in the United States.

☞Advertisers will be wise that consult our columns.☜

WARREN & CO.,
CALIFORNIA FARMER OFFICE.

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ILLUSTRATED MONTHLY
MAGAZINE

Each Number contains THIRTY-TWO PAGES of reading, many fine Wood Cut Illustrations, and one COLORED PLATE. A beautiful Garden Magazine, printed on elegant paper, and full of information. In English and German. Price, $1.25 a year; Five copies $5.00.

Vick's Flower and Vegetable Garden, 50 cents in paper covers; in elegant cloth covers $1.00.

Vick's Catalogue,—300 Illustrations, only 2 cents.

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Florida Orange Trees.

However fine our own rich and delicious Oranges are, it is admitted that the the "FLORIDA ORANGE" is one of the most delicious fruits, known the world over—clean and fine in form, thin skinned, and very delicious in its flavor.

Those who desire to enjoy this beautiful fruit, can secure a few trees of this kind just received from Florida.

Price of Trees, $1.75 and $2.50.

Apply at, or send to THE CALIFORNIA FARMER OFFICE 320 Clay Street, San Francisco, California.

SPLENDID
FLOWERS
OVER 1200 Distinct Varieties.
All Strong Plants, each labeled and delivered safely by mail. *Largest assortment. Low prices.* We have been in business 24 years, and *always satisfaction.* Our stock of
ROSES
comprises all desirable varieties, and contains none but mature plants. We send *purchaser's choice* of 6 for $1, or 13 for $2. Our new *Illustrated Hand-Book*, sent free, contains name and description of each plant, with instructions how to cultivate successfully. HOOPES, BRO. & THOMAS, Cherry Hill Nurseries, West Chester, Pa.
47 22

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GROWN FOR PRIVATE FAMILIES, OUR MOTTO I

"TEST IS BETTER THAN TALK."

GARDEN MANUAL full of valuable articles on growing vegetables, useful hints to lovers of flowers, with price list, sent free to all applicants. Address

J. B. ROOT, SEED GROWER,
48:24 ROCKFORD, ILL.

FRUIT AND ORNAMENTAL TREES
Large Stock. Low Rates.
STANDARD PEAR-TREES A SPECIALTY.
Send stamp for Trade List. AGENTS WANTED.
E. MOODY & SONS, LOCKPORT, N. Y.
NIAGARA NURSERIES. Established 1830. 1871

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WE SELL EVERYTHING FOR THE
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Descriptive Catalogues of 175 pages sent Free
PETER HENDERSON & CO.
35 Cortlandt St., New York.
FLOWER AND FRUIT PLANTS
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THESE CELEBRATED HOTEL CARS ARE NOW RUN OVER THE

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COUNCIL BLUFFS AND CHICAGO

No other road now runs or has ever run

Pullman Hotel Cars,

PULLMAN DINING CARS,

Or any other form of hotel, dining or restaurant cars

BETWEEN OMAHA AND CHICAGO.

Do not be deceived by the false representations of the agents of other lines who tell you they have hotel cars on their lines west of Chicago. It is not true. No road west of Chicago has them except

THE CHICAGO AND NORTHWESTERN.

PASSENGERS for Chicago, Niagara Falls, Pittsburg Philadelphia, Montreal, Quebec, New York Boston, or any any point East,

Should Buy their Trans-continental Tickets

—BY THIS—

Pullman Hotel Car Line.

Close connections are made at Chicago with the Lake Shore & Michigan Southern, Michigan Central, Baltimore & Ohio, Pittsburg, Ft. Wayne & Chicago, Kankakee Line and Pan-Handles routes, for all points EAST and SOUTH-EAST

This road can give you CHOICE of ALL ROUTES from Chicago to the East. It allows its patrons to select the route they may think best. Determine the route you would like to travel over beyond Chicago, and we will be glad to sell you THROUGH TICKETS by it.

☞Passengers will find Tickets via this Favorite Route at the ticket office of the Central Pacific Railroad, Sacramento.

☞Tickets for sale in all the ticket offices of the Central Pacific Railroad.

W. H. STENNETT ..... General Passenger Agent
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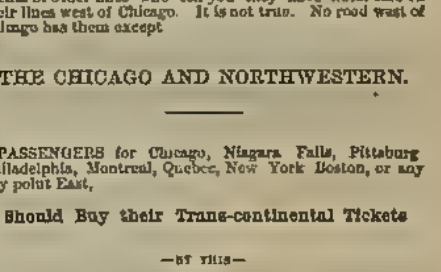
No 2 New Montgomery Street, San Francisco.
47:11



SPLENDID
Bulbs for Autumn Planting.

Collection of the choicest of BULBOUS ROOTS can be had with descriptions of varieties and plates of flowers.

Now is the time to prepare the ground and plant all BULBOUS and TUBEROUS ROOTS in California.

These GEMS planted now will come into bloom at Christmas and New Years.

Orders for supply can be filled by the large or small quantities at

Warren & Co.,
320 CLAY STREET, S. F.

GARDEN GROUNDS LAID OUT

THOSE WHO WISH THEIR GARDEN GROUNDS RENewed and replanted, or those who desire to have Grounds Designed and laid out upon scientific principles, and with correct taste and skill, as

Adapted to this Climate,

Can have this work done to their satisfaction by calling at this Office, where all the best works on Gardening can be found, and where the various styles, both European and American can be seen. Grounds of any extent, from

ONE THOUSAND ACRES

To small gardens in our City, will be designed and laid out and the Trees, Plants, Shrubs, Vines and Bulbs all supplied of the very best variety and reliable quality, and the work done to complete satisfaction, by calling at the Office of THE CALIFORNIA FARMER.

☞None but educated men engaged in such work.☜

Address WARREN & CO.,
FARMER OFFICE.

TO INVENTORS AND MECHANICS.

Patents and how to obtain them. Pamphlet of 60 pages free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 31,
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Good Cure for Hard Times
A PLANTATION OF EARLY PROLIFIC and RELIANCE RASPBERRIES.
100,000 Plants for sale; also 200,000 Cinderella and Continental Strawberry Plants. Millions of other Plants, Trees etc. Everything new, novel, and rare. Prices low. Send for Descriptive Circular to GIBSON & DENNETT, Nurserymen and Fruit Growers, Woodbury, N. J
48:24

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, FEB. 6, 1879.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Mabels Building—Up Stairs.

FARMER HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms. Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, TWO DOLLARS for five lines or less of space in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half these rates. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

Editor's Chair.

Home.—Our Home Page opens with our Poets Column, "The Mother's Dream" will explain the mysteries of that *Divine Providence* which often *seems* to send *affliction* taking away loved ones, which if they had been spared might have caused great sorrow and agony living, than was caused by their death.

The Poem of the "Storm at Sea" is a beautiful one on confidence and trust—a confidence that never betrays, "Say well, and Do well," capital.

"The Passion Flower" will please many; "A Sermon on Cooking," good counsel; Dr. Beecher's Sermon on "Eating by Rule" will do much good if people will practice it.

Horticulture.—"The Botanic Gardens at Brisbane," these Gardens are supported liberally by the *Government*, therefore they can be made *beautiful*, Mr. Hill is the "right man in the right place," his skill and taste makes everything prosper under him.

Miscellany.—"The Dog and the Child" and the "Singing Mice" shows how great is the power of the human over the animal species when that power is directed by humanity and kindly love to these interesting subjects—kindness always wins, cruelty to animals is a sin against the Divine law.

Agriculture.—We place upon this page (10) a brief poem "To Farmers," we hope these simple lines may induce many to adopt them and make their *Homes*, their *Farms* and all within their influence prosperous and beautiful.

"Dan's Wife."—Here is a picture which we hope will awaken the serious attention of many a farmer and laboring man, who is too apt to forget that the Wife is often overburdened and sent to her grave when her life were but half spent.

We give a most excellent Essay upon Agriculture, on same page, to which we ask the special attention of the farmers of this State—here are *great truths* for their consideration.

The future "Granary of the World," it will be seen by what we publish that *Australia* designs to compete for this Prize with *California*, with *Illinois* and other States of our Union, let our Grain Growers look to this matter.

"Markets for Honey."—Here are the prices for this sweet commodity—the Eastern papers scarcely remember *California* in their reports, and yet the crop in this State for 1878 was *one thousand tons*, and was shipped largely to all parts of our Union, to England, France, Germany, Australia, China, Japan, the Islands and British Columbia, the amount exported was nearly $100,000 in value.

Our Front Page.—We give on this Page a valuable Letter from one of our best scientists upon the *Salmon Trade* of our State, of which we speak in an Editorial.

The Sugar Interest.—We invite special attention to the Letter from Honolulu, from one of the earliest Pioneers of our State, a gentleman whose residence of late years and whose business at the Island among the planters and plantations enables him to see how the Treaty with the "Sandwich Islands" works against the true interests of California and the whole Union, one thing is very certain it has been a very serious injury to the Beet Sugar Industry of California, and may eventually destroy it unless that treaty is annulled.

We hope to hear more on this subject, pro and con.

We have valuable Letters, from Galen Clark from the Yosemite Valley, and Railroads in 1853, with Letter from Ajax on Home Influences, and a mass of valuable Mss. for our next.

"Health Dress."—We return thanks to Mrs. Harriet N. Austin for a valuable little book on "Health Dress" a little book with *diamond* like truths.

It will be remembered that Miss Austin is the able Editress of that excellent Journal, *The Laws of Life*, at Dansville, N. Y.

OUR HILLSIDES—OUR GEMS.

For long, long years past until within a few late years the *Press* of this State rarely spoke of our *hill sides* or mountain slopes as of any value, they said they would do for grazing purposes only, and were very lightly valued by the Tax assessor.

The last decade of years has made a wonderful change, the almost valueless lands upon our mountain sides that ten or twelve years ago could have been purchased for one or two dollars the acre, now in many places command as many *hundreds per acre*, and are cheap at that.

We desire especially to call the attention of all our readers to the peculiar effect of the late cold weather in different parts of our State, its peculiar severity upon the lowlands and low slopes and the mildness of the frost upon the side hills even quite high up, we have many evidences of these facts from the "Santa Cruz mountains" from the "hillsides" beyond San Jose and from the high lands of "Newcastle" in Placer county, and on the high lands back of Oakland, in all these places, even where the very mountain tips were white with snow, and the low lands of the valleys were ice congealed—all the middle slopes were uninjured and escaped any serious loss.

It has been our belief always that the healthiest, most prosperous and profitable cultivation would be found upon our "hillsides," it is the best, safest and most certain land whereby to escape severe frosts, severe winds or ruinous drouths, for the soil of our mountain sides is always fed by the underground moisture that comes from above in the thousands of springs, while the soil is mostly light and porous, easy of constant culture, being the decomposed vegetable matter from forest leaves of a thousand years of silent preparation, for those who should come to make the "wild places blossom" with the richest of vegetation.

For more than twenty years, yes, even from the issuance of our first number of the Farmer in 1854, we directed attention to our "hillsides" as the *best place* for our Vineyards and Orchards, and although the Press generally over our State differed widely from us, contending that as no *Irrigation* could be had high up, the "hillsides" never could be cultivated; but after our steady faith, and with "line upon line, and precept upon precept" and many good workers and believers in our plan, we can say that our *Richest and Best Fruits* both from *Orchard* and *Vineyard* are now the products from "hillside" culture.

We do not say there is not a good and very fine showing fruit from many valley and river bank Orchards and Vineyards, but we do say and repeat—and challenge a contradiction of *this fact:*

That the largest and finest fruit, with the fairest bloom, the most perfected juices, and the richest flavor and aroma, are from those cultivators whose "homes and gardens" are all on the "Hillside."

The *Fruit* that comes to our markets from the highlands is always very clearly distinguished from that of the lowlands by its color and bloom, for,

> 'The peaches glow sunny dyes
> Like maidens' cheeks when blushes rise.'

The coming season will give the richest fruit and the largest harvest of it, ever gathered in California.

THE SALMON TRADE---EXTENDING.

Having published many articles upon the rapidly extending interest of the U. S. Fish Commissioners in various sections of our Union, and particularly of the energetic and beneficial labors of the Fish Commissioners of our own State in their distribution of salmon spawn—and spawn and young fish of many kinds to almost every country in connection with us. We had been called upon, and inquiries made by many persons, what effect this wide extension and wholesale distribution of the salmon spawn to our country, where we are now shipping thousands of dozens of canned salmon every steamer, would have upon the future trade of this article. So repeatedly were these inquiries coming to us that we adopted the plan of making the inquiry, as we did in the Farmer of December 26, 1878, we felt sure such an inquiry would draw forth all the facts we needed, so we could place them in response to the inquiries in a satisfactory way.

We have the pleasure of giving a most excellent letter from "One who knows," who has touched the *key note* of true progressive science, and has given them statesmanlike views that we were most anxious to draw out.

We ask the careful reading of this valuable letter and desire the reader to note specially the paragraph quoted by our correspondent, which was simply an *inquiry*, an inquiry too, made in behalf of several who are now canners and shippers of salmon to other countries. Our own views are in full accord with our esteemed correspondent, who we know is devoted heart and soul in promoting the great interests of science and human progress.

That this Journal believes in an enlarged philanthropy and a wide spread spirit of doing good by diffusion of knowledge in every possible way, and in the interchange of all and every product in our power, we can refer to the course we have pursued to this end for twenty-five years in the free bestowal of seeds, trees and plants from our own office—that would now be numbered by the many tens of thousands of parcels.

Our aim and our doctrine has ever been from the publication of the first number of the Farmer, that California was to become the very "Garden of the World," and destined to become the *Almoner* to other States and nations of the rich products of our State in every department of all its its great and varied interests—whether it should be our grains, our fruits, our wines, or any products of the earth, or the "Birds of the air," or the "Fish of the sea," for it is a well known fact that all these are now being distributed, either as merchandise in trade, or as gifts, or exchanges, and all making our State as famed for the excellency of each of these, as for the gleaming gold of her rich mines.

We are under obligations to Hon. Horace Davis for valuable public Documents and Volumes from Washington, also, to Hon. J. K. Luttrell for collections of seeds kindly sent us.

AGRICULTURE---MAN'S EMPLOYMENT.

The cause of the largest portion of the suffering that befalls mankind is chiefly owing to the fact—that *man* is too often *out of his proper sphere!*

To till the earth and dress it was the original destiny of man, and all who have departed from that sphere of action without a special calling—have departed from the *path of duty* and have entered a road that they will find continually hedged up with *thorns and thistles.*

A careful observer of human events cannot but see *this fact*, the many severe and disastrous results that is constantly occurring in the mercantile and commercial world by what is called *overtrading*, the same thing occurs in the manufacturing—but rarely in the agricultural interests.

California alone presents the spectacle of crops so abundant as to give it the appearance of being overdone, while in fact it has only resulted from not understanding *"that alphabet of Nature"* to which the Poet so aptly alludes.

That man is out of his "original employment" and pursuing a path that will prove unsuccessful, when he leaves the agricultural interest, can best be demonstrated by the fact which is a matter of record in the "Old Bay State," that State to which the citizens of all other States ever turn with grateful recollections, as the "Pilgrim and the Pioneer State" of agricultural science, and the Cradle bed of that glorious revolution which gave us the liberties and blessings that we now enjoy, and which if rightly improved, appreciated and guarded are destined to revolutionize the world.

The facts to which we allude are those gathered by that able advocate of agriculture, the late Gen. H. A. S. Dearborn, a name treasured in the memory of thousands in New England.

Mr. Dearborn after a long and careful investigation into the history of the citizens of Massachusetts obtained the following results:

The proportion of those in the various employments which were successful.

In the space of about fifty years they were as follows:

In the mercantile 92 out of every hundred were *unsuccessful, i. e.*, that number failed at various times.

In the commercial 80 out of every hundred.

In the manufacturing about 60 out of a hundred.

While in the agricultural only about 8 to 10 per cent. and these from ignorance of their employment, or calamities of the seasons, etc.

Thus clearly demonstrating the permanence of the agricultural over every other employment and the more certain success that ever awaits it.

We are now in California! and the Theories and the Practices of the old world and the old States, former times and seasons, are in a measure the ground work for our improvement.

California agriculturists must commence "De Novo" grateful for the past, we must move on with *electric speed.*

The History of the world presents no cases of success in agricultural efforts that are

PARALLEL TO CALIFORNIA,

where any just degree of attention has been given, it is not some 30 and some 60 fold but it is the full One Hundred Fold!

The first early developments of agriculture in California on a large scale was in the great valley of *San Jose*, under the impetus given to it by such men as John M. Horner and E. L. Beard, whose broad acres and immense crops were the theme of the world in early times in California, and whose great influence then gave to agriculture the standing it has attained.

To Messrs. Horner & Beard first and to others now in other counties whose enlarged and liberal efforts have advanced this great source of wealth, Californians owe much.

GATHERED ITEMS---OF CROPS,

In spite of the cold winter we have had all over our State, unprecedented in the past for severity and long continuance, the gleam of spring comes to us in sunshine again giving a warm breath, and touching the buds of Fruits and Flowers has once more shown us the blossoms of Spring.

The Almond, the Apricot and the Peach trees show the revival, and our early counties of Yuba, Yolo and Solano, show their bright blossoms already.

However many growers have been fearing of injury to the Fruit crop we are confident it has not been seriously injured, the long cold spell having prevented the roots from sending up any sap to the fruit buds, thus keeping them from starting till now, and even at this date only in warm sections as named above.

The Grain crops are not so much injured as was reported, in fact Grain that had peered above ground and become frost bitten has mostly recovered and is now promising well, and the Grain on "Summer Fallow" planted in dry soil now by the late rains shows well in every county in the State; since the late rains Grain has started and made a very promising appearance, to this also we can say a renewal of plowing and planting of a large area of land gives promise of a greater acreage in Grain this year in nearly every county in the State than ever before, in spite of the cry of no rain and dull sales of Grain

Everthing looks auspicuous now for a good season for our farmers who should do their best now to redeem all the past, there is every evidence from all scientific points that we shall have a plenty of rain and quite late, so the plowing and planting can be kept up to a late day this year.

There can be no complaint now among our farmers generally at the prospects ahead, the rain already come to us and the abundance near by, ensures the most successful prospects for many a year.

Zoological and Acclimatization Society of Victoria.—We have been the favored recipient of the Volume of this Society's Proceedings for 1878, which contains handsome Maps of the Gardens, Park and Grounds of the splendid "Home of Flowers" at Melbourne, the work is full of matters of interest, we return sincere thanks to the Society and the Hon. Secretary for this special favor.

DANGER.

The Tirade---The Poor Against the Rich.

There is now no greater evil in our community than the efforts made by designing men to array the poor against the rich.

In this communistic effort, for so we esteem it, the working men make a very great mistake, a very grave error—in fact, it is a criminal and suicidal act on their part, for it has all along been such men as Stanford & Co., of the Pacific Railroad interest—Flood and O'Brien, Mackay and Fair in the mining interest—and a host of rich men in all the various enterprises that keep the wheels of business moving, that give to the working men of our State their bread and butter.

To us it seems strange that working men rail against the capitalists and rich men, when from this very source they derive their employment, and by them they and their families are maintained, and by them they live.

We believe if the press of our city and State would cease to publish the arrant nonsense that so often fills their columns, of tirades against the capitalists and corporations and wealthy men—and would do more to encourage the manufacturing interest and promote the all important enterprises so needed to build up our State, if the press would cease their personal quarrels among themselves, and use their columns to advance the public good, we should have much more prosperous times; but, unfortunately, a portion of the press suppose they can win some fame by catering to some party or clique, by playing to a depraved appetite for a personal attack upon all wealthy citizens, or upon the "Great Railroad Enterprise," the "Nevada Bank" and its wealthy owners, and thus thus they pamper to a false issue to the very great injury of all the best and noblest interests of our State.

When our citizens shall frown down all such efforts and give an earnest encouragement to all the great enterprises that build up our State, then we shall see truly prosperous times and not before.

While it is to be regretted very much that the dividends of the Bonanza Mines have ceased to be paid to any amount for some months, the fact still exists that from May, 1874, to March, 1878, there was paid out in dividends the enormous amount o $63,720,000, we are not or never have been a believer in stocks or an owner of shares, we only quote facts.

TOBY ROSENTHAL.

This highly gifted Artist is now in our City on a visit to his Parents to whom he is devotedly attached, he has been welcomed by a host of friends who justly appreciate his most wonderful talent being a true delineator of life scenes; his great Pictures which have been exhibited here have clearly shown him to be a most remarkably gifted Artist.

It was our pleasure to have met this Artist at his home in early days when he first began sketching, and then we expressed our views freely of his future fame as a Painter, our opinion and our faith has been fully verified.

We were enthusiastic in our early expressions yet none too much so, for we believed then we saw his coming fame and believed that

> "All that imagination's power could trace
> Breath'd in his pencil's imitative grace,
> O'er all the canvas, form and soul, and feeling
> That wondrous art, infus'd with power of life,
> Portray'd each pulse, each passion's might revealing,
> Sorrow and joy, life, hatred, fear and strife."

Toby Rosenthal may truly be said to be an Artist possessing a Divine gift, his paintings showing the most remarkable life like expressions, as if the figures were in actual life before us, it is to be hoped that our wealthy citizens will improve the opportunity of the home visit of this true Artist to secure pictures of their home scenes in our Golden Land.

T. B. PETERSON BRO'S. WORKS.

We have received "Jave's Daughter" and other stories, by Mrs. F. H. Burnett, the author of many books published by the well known House named above—this book and all the works of these Publishers are for sale by Roman & Co.

"Lindsay's Luck."—This is another of the Peterson Books by Mrs. F. H. Burnett, a very pleasing and exciting story—this work for sale by Billings, Harbourne & Co.

"Philomene's Marriage."—A novel of exciting interest to the reader, by Mrs. Helen Stanley, author of "Saveli's Expiation" and many popular works—this is a new French novel, we have advance copy of the Preface to this book, written by "Henry Greville" to her American readers, the novel will soon appear and prove one of the most interesting and saleable books of the season, the Preface to this work ensures it.

The Ormsby and Pantlind.

Carson City is famed for many things.

"There is a "Trio" of good things.

1st. There is the Carson Mint that sends out its shining coin, that all will say is good.

2d. There is the Ormsby House that is admitted to be the best hotel in all the Bonanza region, and it gives better food, better care and better satisfaction than any other hotel for the hungry.

3d. Then there is mine host "Pantlind," and he is not only good and better, but best of all.

We have before us a Christmas card for dinner, the "Bill of Fare" even now sends forth a rich fragrance in imagination, even though weeks after the grand gala dinner at the Ormsby, Christmas day.

That Christmas dinner at the Ormsby was the merriest and happiest affair that the Bonanza State has seen for a long time.

Carson City was happy, the guests were happy, and Pantlind was happy too. What could be wished for more. Those who visit the Bonanza's must be sure to visit Carson and the Ormsby.

St. Valentine's Day.

This great and merry day is near at hand, and more than *Five Thousand people* have agreed to visit Davis Brothers at the Golden Rule Bazaar, on Market street, and buy their Valentines, as they have the richest, most tasteful and delicate, as well as the largest stock to be found on this Coast.

NEW ZEALAND SCIENTIFIC WORKS.

A little time since we received from the Acclimatization Society at Auckland, New Zealand, a very handsome collection of Scientific works, which we then acknowledged with many thanks for the great courtesy and liberality shown us.

It has ever been our great pleasure to do what we could to promote the great and growing interests between New Zealand, New South Wales and all the Australian Colonies, as we believe a large and vast trade must eventually be done between that Country and all the Pacific Coast.

Our neighbors "just across the waters" as our friend, "Commissioner Mackay" used to say, are doing wonders by their Government to advance all the great interests of the people, and California will never advance as she might until our State shall aid by subsidies from the Treasury the interests and industries of our State as Australia has done

The following are the works kindly and generously sent us, they show all the great Interests, Industries and public works of the Colony:

This valuable Donation was sent to us most courteously from the Government Office.

Progress and Resources of New South Wales, full of valuable and interesting data, by Chas. Robinson, Esq.

Essay on New South Wales, the Mother Colony of the Australias, with rich colored maps and valuable data, by Geo. H. Reid, Esq., author of Trade Essays, etc.

Climate of New South Wales, descriptive, historical and tabular, with extensive Maps, by Hon. H. C. Russell, B. A., F. R. A., S. F. M. G., the Government Astronomer for N. S. W., a most valuable work.

Essays on Sedimentary Formations of N. S. Wales, by Rev. W. B. Clark, M. A. F., R. S., F. G. S., F. R. G. S., a distinguished member of the Geological Societies of France and Australia.

Annual Report of the Department of the Mines for 1877, with extensive and valuable colored Maps of the various Mining districts—Governmental Report.

The Report of the Railways of N. S. Wales, their construction and working with extensive Maps and tabular work—by the Hon. John Rae, A. M., Commissioner of Railways.

The Statistical Register of N. S. Wales, being a most complete work, compiled from Official Resources and presented to both "Houses of Parliament" by E. G. Ward, Esq., the Register General.

This is an extensive series of Statistics, complete in all the valuable data of the Colony, presenting a clear insight into the Resources and great wealth of that country.

The Financial Statement from Hon. H. E. Cohen the Colonial Treasurer of N. S. Wales. This presents valuable data and is for 1878.

The Journal and Proceedings of the Royal Agricultural Society of N. S. Wales for 1877—with valuable Maps and interesting data of this influential society—the work is ably edited and compiled by A. Liversidge, Esq., Prof. of Geology and Mineralogy of the University of Sydney.

This Agricultural Society is indeed a Royal one, as its interesting journal shows great labor and great results.

AUSTRALIAN ORCHIDS.

In *four Volumes* Royal Octavo in size and finely gotten up—a most superb work—each Volume contains specimens of the Orchids life size and in all their beautiful natural colors—this is the finest work on Orchids published, and reflects the highest credit upon the Editor and Publishers for the perfection of the work—a real work of art, edited by R. D. Fitzgerald, Esq., F. L. S., and published by Thomas Edwards, Esq., Government Printer at Sydney

We shall ever be grateful for the Donation of these valuable works.

Hon. Angus Mackay.

The gentleman whose name we gladly herald in this notice, we are pleased to learn has lately been most triumphantly elected to the Parliament Assembly of Queensland, Australia; Mr. Mackay it will be remembered was the very able Commissioner from Queensland to the Centennial three years ago, and made quite a visit in San Francisco on his way to Philadelphia and on his return, and made many friends here who will be glad to learn of his elevation to the Parliamentary labors in Queensland, for which he is well qualified by his talents and real ability, his election as a Legislator secures for the people an able friend for all Industrial Progress.

RECEIVED AT READING ROOMS:

Catalogues Received.—We have received a perfect flood of Nursery and Floral Catalogues and Publications, we have

A very handsome embellished and fully illustrated Catalogue of Messrs. H. K. Bliss & Sons, Seedsmen of New York, a large and extensive Catalogue, and indications of a large and prosperous trade.

We have received the new and valuable Seed Catalogues from Peter Henderson & Co., also,

Thorburn & Co., of New York, these Catalogues all greatly improved in style each year—the present issues very fine Editions.

Catalogue of J. J. H. Gregory, the well known Seed Grower of Marblehead, Mass., a very fine Catalogue well illustrated.

"Guide to Rose Culture."—A new work on the subject with a Catalogue of the New and Rare Roses of Dingee, Conrad & Co., of the West Grove Nurseries at West Grove, Chester Co. Penn., have sent us a very handsome Catalogue.

Catalogue of the Nurseries of Cole Bro's, of Pella Co., Iowa.

Catalogue of the Seed business of J. F. Tillingharp of Factoryville Penn.

We have the Catalogues of the Bloomington Nurseries at McLean Co., Ill., a series of plant novelties.

GOLDEN RULE BAZAAR,

718 Market St.—419 Kearny St,

Five Stories High, 45 x 200.

CLOCKS! CLOCKS!

Every clock that leaves our salesroom, has been thoroughly run and tested, and is *warranted*, if properly used, to be a good time piece. Following are the price of a *few* of the many styles we keep:—

Young America. A 30 hour time-piece with porcelain dial $1.00
The Ecliat—Ansonia 30 hour movement, walnut case, 10½ inches high 1.25
The Economy—Black or nickle plate, 30 hour time-piece 2.00
The Gem—Same as above with alarm 2.50
The Bijou (See cut) Nickle plated case, patent lever, stem winder. 2.50
The Chief Metal case, marble finish, gilt lined 3.00

PEEP O' DAY, ALARM, $3 50.

This has the loudest and longest alarm of any clock made, is fitted with Ansonia Co.'s best movement, screwed pillars, strong plates, silver plated, and requires only one winding for the time and alarm—will go in any position.

The Jupiter—One day striker, patent self-adjusting pendulum, 15 inches high $5 00
The Roman Eight day striker, patent self-adjusting pendulum, 21 inches high. 7 50

Over 50 other styles on hand.

FANCY GOODS.

Photographic Albums	$ 50 to $ 50
Autograph and Scrap Albums	25 " 5
Japanese Ware. Full assortment	25 " 10
Writing Desks—Fitted.	75 " 20
Work and Jewel Boxes.	50 " 15
Glove, Handkerchief, Collar and Cuff Boxes	1.00 " 12
Fashionable Fans.	.25 " 15
Fine Gilt and Velvet Frames.	25 " 8
Bohemian Glass Vases—Per pair	75 " 30
Leather Purses—Extra value	05 " 10
Smokers' Sets—4 pieces	1.00 " 5
Glass and Fancy Wine Sets—3 pieces	1.00 " 15
Decorated and Bohemian Toilet Sets—3 pieces	75 " 25
Leather Cigar Cases	.25 " 10
Bronze Inkstands and Ornaments	.50 " 50
Opera Glasses—Selected	2.50 " 20
Hand Mirror	.25 " 4
Dressing and Traveling Cases	1.00 " 49
Shopping Bags—Red, black or fancy leathers.	50 " 10
Baby Carriages—A specialty	5.50 " 50
Musical Boxes—Best Geneva makes	2.00 " 250
Pocket Knives—Reliable makes	25 " 5
Stereoscopes	.75 " 5
Flower Stands and Walnut Tables	1.00 " 10
Chromos. New subjects	.05 " 50

SILVERWARE.

Meriden Brittania Co.'s (Rogers Bro's) celebrated goods. Lowest market rates.

A complete assortment in fashionable jewelry and all other Toilet and Fancy goods.

SUNDRIES.

A most complete selection of Hats and Gent's Furnishing goods. Colgate's celebrated Toilet Soaps. Imported Perfumery, Hair Oils, Cologne, etc.

Wholesale Catalogues for the trade only. Retail Catalogues, Illustrated Carriage and Illustrated Clock Catalogues free on application.

☞Country Orders Promptly Filled.☜

DAVIS BROTHERS,

718 MARKET AND 419 KEARNY STS, S. F.

3:10

Harper's Bazar.

1879.

ILLUSTRATED.

NOTICES OF THE PRESS

To dress according to *Harper's Bazar* will be the aim and ambition of the women of America.—*Boston Transcript.*

As a faithful chronicle of fashion, and a newspaper of domestic and social character, it ranks without a rival.—*Brooklyn Eagle.*

This paper has acquired a wide popularity for the freshness enjoyment it affords, and has become an established authority with the ladies.—*N. Y. Evening Post.*

The volumes of the *Bazar* begin with the first number for January of each year. When no time is mentioned, it will be understood that the subscriber wishes to commence with the number next after the receipt of his order.

Harper's Periodicals.

HARPER'S MAGAZINE, One Year	$4 00
HARPER'S WEEKLY, " "	4 00
HARPER'S BAZAR, " "	4 00
The THREE publications, one year	10 00
Any TWO, one year	7 00
SIX subscriptions, one year	20 00

Terms for large clubs furnished on application.

Postage Free to all subscribers in the United States or Canada.

The Annual Volume of HARPER'S BAZAR, in neat cloth binding, will be sent by express, free of expense (provided the freight does not exceed one dollar per volume), for $7 00 each. A complete Set, comprising Eleven Volumes, sent on receipt of cash at the rate of $5 25 per volume, freight at expense of purchaser.

Cloth cases, for each volume, suitable for binding, will be sent by mail, postpaid, on receipt of $1 00.

Remittances should be made by Post-Office Money Order or Draft, to avoid chance of loss.

Newspapers are not to copy this advertisement without the express order of HARPER & BROTHERS.

Address HARPER & BROTHERS, New York.

DAIRY BREEDING CALENDAR

We invite Dairymen who desire a valuable "Dairy Breeding Calendar," containing very valuable items of great value to them, to call and examine the article named above—it is of but little expense, yet of great value.

CALIFORNIA FARMER OFFICE.

THE AUSTRALIAN GUM TREE.

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

☞Full Directions for Use Accompany every Box.

—ALSO—

CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

(AUSTRALIAN GUM TREE).

THERE is no tree known to science that presents so many valuable properties as the various species of the Australian Eucalypti. As many as one hundred and fifty varieties of this invaluable tree have been discovered. No timbers in the world can compare with those of Australia; for purposes requiring great strength, combined with great durability, they are unapproachable. Owing to an essential volatile oil that exudes from the foliage, epidemic rarely exists in Australia. The entire species are more or less medicinal. Yet after many experiments, I have found that some of the species, most useless as far as their timber is concerned, are of the greatest value as medicine plants.

In the bush bush the gum leaf has often to answer the purposes of the entire medicine chest.

During the past six years I have been experimenting on the various species of the Australian Gum—the roots, the bark, the gum, and the leaves—with great care.

I have found that the gum that exudes from some of the species cannot be excelled for some purposes.

For Rheumatism, Neuralgia, Gout, Sciatica, or any affection of the Nervous System, it appears to be almost a specific, giving immediate and permanent relief. For resolving the attack of Fever and Ague, it is marvelous. It is equally valuable in all diseases of the Liver.

It is essentially necessary during an attack of any of these diseases that the bowels be freely evacuated by a dose of four to six of the "Liver and Bilious Pills" previous to taking the Fluid Extract, and a small dose of the Pills every night will greatly assist the action of the Fluid Extract. For Rheumatism, Sciatica, Gout, Neuralgia, or pains in any portion of the body or limbs, the part affected should be freely bathed with the "Concentrated Fluid Extract."

For Dysentry and Diarrhœa it supersedes all other medicines known. For ordinary cuts, or slight bruises, one application generally suffices.

For Colic, Pains in the Stomach or Bowels, a single dose generally gives relief before five minutes. In bad cases a dose may be taken every half-hour, or hour, till relieved.

TESTIMONIALS.

The manufacturer of these Pills has a great objection to the "wholesale" publication of testimonials, which in many cases are fictitious, and are only intended to mislead. Yet, for the satisfaction of those who are suffering, and have not yet used his medicines, he selects a few, who are best known in the colony and in the town he lives, and their *personal testimony* will satisfy the most sceptical.

These testimonials above named with many from California, since their recent introduction, will quickly show that the

Eucalyptus Remedials

are the best ever yet introduced. Full and ample testimonials accompany all parcels.

MANUFACTURED ONLY BY

DAVID CLARKE,

Wholesale and Manufacturing Chemist,

AT HIS LABORATORY,

WARWICK, QUEENSLAND.

N. B.—These Preparations are only manufactured by me, at my Laboratory, Warwick, Queensland, and none genuine without my signature on each bottle or box.

☞PLEASE REMEMBER!

The only Genuine Medicine of this character are those named above and prepared by DAVID CLARKE, Chemist, at Warwick, Queensland.

Warren & Co.,

SOLE AGENTS

For the United States,

320 CLAY STREET,

SAN FRANCISCO

N. B.—Responsible Traveling Agents Wanted.

RHUBARB WINE.

A CHOICE NEW ARTICLE.

A DELICIOUS HEALTHFUL WINE.

Manufactured at Omaha, Nebraska, from the VEGETABLE RHUBARB, making a very delicious, palatable, and healthful light wine, differing from any other wine ever yet manufactured, and giving good promise of becoming a very popular wine.

For sale at the CALIFORNIA FARMER Office by WARREN & CO.

PEARL MILLET

(THE NEW FODDER PLANT!)

Yields 100 tons green = 16 tons dry per acre.
60c. per pint (by mail, postpaid).
$1.00 " quart "
By express, buyer to pay charges, $5 per peck.
Statement of our experiments with it, and instructions for culture, free on application.

PETER HENDERSON & CO.

35 CORTLANDT ST., NEW YORK.

49:2

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS

To all Parts of the United States.

J. F. FARNWORTH. . . . . M. T. BREWER.

THE BEST WAGON ON WHEELS

IS MANUFACTURED BY

FISH BROS. & CO.,

RACINE, WIS.

WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

USING NOTHING BUT

First-Class Improved Machinery and the Very Best of Selected Timber,

AND BY A THOROUGH KNOWLEDGE OF THE BUSINESS, WE HAVE JUSTLY EARNED THE REPUTATION OF MAKING

"THE BEST WAGON ON WHEELS."

We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ———, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {Titus W. Fish, Edwin R. Fish, Jno. C. Hoodless,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. **Send for Prices and Terms,** and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.

—OR—

GEO. A. DAVIS,

Manfacturers' Agent for Pacific Coast,

327 MARKET STREET,

48:17 **SAN FRANCISCO.**

BRYDON & CO.,

"ECLIPSE" COLLIERY,

IPSWICH.

MANUFACTURERS OF THE CELEBRATED

"ECLIPSE" COKE.

JOHN M. BRYDON,

Shipping, Insurance, and Freight Broker, Custom House and Forwarding Agent.

AGENT,

Railway Carrying Co.

CITY WHARF,

BRISBANE, QUEENSLAND.

John Rodgers & Co.,

GENERAL STOCK AND SALE YARDS,

—AND—

LIVERY AND BOARDING STABLE,

Cor. Market and Ninth Sts.

Hay and Grain at Lowest Market Rates.

FOR SALE.

An Iron-Gray Stallion, 6 years old, 16 hands high, weight 1200 pounds; untrained, can trot close to 2:40; sound, kind and gentle; "Messenger" stock.

—ALSO—

One Black Stallion, 8 years old, 16 hands high, weight 1250 pounds; has a record of 2:39; sound, kind and gentle.

—ALSO—

A Bay, thoroughbred, Mare, 6 years old, sired by "Lodi," dam, "Mary O'Neil," has a record of 1 44.

Can be seen at Bulls Head Stables, Corner of Market and 9th Streets.

49:1 **JNO. RODGERS & CO.**

Evergreens & Forest Trees.

AT RETAIL TO FARMERS AND PLANTERS AT

WHOLESALE PRICES.

LARGE STOCK, GREATEST VARIETY, CHEAPEST AND BEST.

Send Stamp for Price List.

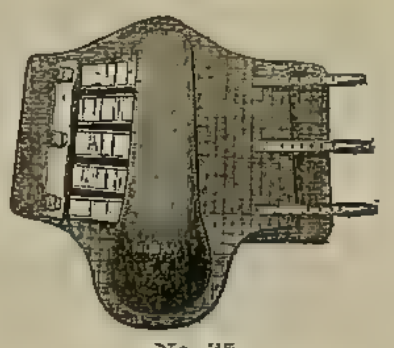
GEORGE PINNEY,

49:1 Sturgeon Bay, Wis.

MAIN & WINCHESTER

Nos. 214 and 216 Battery Street,

San Francisco.



No. 35.

ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47:20

ORMSBY HOUSE.

SOUTH CARSON ST. CORNER OF SECOND,

Carson City, Nev.

John T. Pantlind, Proprietor, Late of California.

This old established and well known hotel has been entirely renovated and furnished in the very best style, making it equal in point of comfort to any on the Pacific Coast.

The Table is supplied with the choicest the market affords.

The Culinary Department is presided over by one of the best cooks in the State.

A Corps of Efficient Waiters has been engaged, and families making the ORMSBY HOUSE their home or stopping place, can be sure of the most prompt attention to their wants.

Headquarters for Horsemen and for the stage lines to Bodie, Aurora, and all points south.

Wells, Fargo & Co.'s Express and Banking Establishment and Western Union Telegraph Co.'s office on the same block.

Conveyances to and from the railroad and any other part of town constantly in attendance.

$66 a week in your own town. $5 Outfit free. No risk. Reader, if you want a business at which persons of either sex can make great pay all the time they work, write for particulars, to H. HALLETT & Co., Portland, Maine. 47:2

THE

New Zealand Insurance Co

FIRE AND MARINE,

Organized 1859.

Capital, $5,000,000.

With Unlimited Liability of Stockholders.

Capital	$5,000,000
Capital—paid up	1,000,000
Assets	2,019,812
Re-Insurance Reserve	347,685
All Other Liabilities	223,759
Surplus for Policy-holders	1,223,038
Premiums received to May 31, 1878	7,095,833
Losses Paid to Date	4,248,007
U. S. Bonds deposited in Oregon	50,000

UNDERWRITE, THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandise, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

HEAD OFFICE:

NEW ZEALAND INSURANCE COMPANY,

Auckland, N. Z.

HUGH CRAIG, - - - General Agent,

OFFICE, 307 CALIFORNIA STREET,

San Francisco.

OREGON BRANCH:

No. 7 FIRST STREET, PORTLAND,

S. B. RIGGEN - - - - - Agent.

47 12

VALUABLE

FARMS FOR SALE.

Valuable Farms in the sunny lands of San Diego County.

Those families who desire to leave the cold wintry region of the north and come to a better climate—are invited to the following Farms we offer at good bargains:—

One Farm of 1,500 acres, undivided, can have a great chance to buy this Farm.

One of 320 acres, of rich land of the very best soil, running water, and generally low land, capable of growing any crop wanted, a portion fenced, with fruit trees and vines now bearing.

One Farm of 160 acres of most excellent soil, capable of raising all Tropical Fruits in the greatest luxuriance.

All these Farms are in the Bee region—and suitable for this interest—all sold on easy terms. For particulars address

STEINER, KLAUBER & CO.,

San Diego City, Cal. 49:2

Or CALIFORNIA FARMER Office, 320 Clay Street.

LAND PLASTER.

THE GREAT FERTILIZER.

The most excellent material for all Clovers and Grasses, can now be had of the undersigned at the low price of

$12.50 per Ton.

Also—Building Plaster, Casting Plaster, and Terra Alba.

For Sale by

LUCAS & COMPANY,

215 and 217 MAIN STREET,

Bet. Howard and Folsom,

49:2 San Francisco.

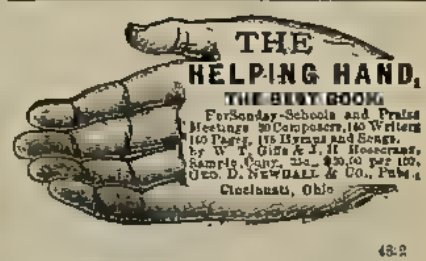
JOHN SAUL'S

Catalogue of New, Rare and Beautiful Plants.

Will be ready in February, with a colored plate. Many new and beautiful plants are offered, among Dracenas, Crotons, and other fine foliage plants, with a rich collection of Greenhouse and Hot-house plants, Bedding Plants; new and choice Roses; Dahlias, etc. Well grown and, at low prices. Free to all my customers, to others 10c. A plain copy free.

JOHN SAUL, Washington, D. C.

49:2 not


THE
HELPING HAND,
THE BEST BOOK.
For Sunday-Schools and Prayer Meetings 20 Composers, 140 Writers 160 Pages, 175 Hymns and Songs. by W. T. Giles & J. H. Hoffmeister, Sample Copy, 25c., $20.00 per 100. GEO. D. NEWHALL & CO., Pub'rs Cincinnati, Ohio

48:2

NEW TOOTH POWDER!

The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath.

DAVID CLARKE'S

Eucalyptus Tooth Powder,

The BEST EVER COMPOUNDED and destined to supersede all others.

WARREN & CO., SOLE AGENTS,

320 CLAY STREET, S. F.

☞S. M. PETTENGILL & Co., 37 Park Row New York, 10 State Street, Boston, and 701 Chestnut Street, Philadelphia, are our Agents for SUBSCRIPTIONS to THE CALIFORNIA FARMER in the above cities, and also our AUTHORIZED AGENTS to contract for ADVERTISING at our lowest rates.

WARREN & CO.

25 NEW YEAR CARDS, with name, 20c. 25 Extra Mixed, 10c. Geo. L. Reed & Co., Nassau, N. Y. 47:1y

Home Miscellany.

"There is no place like HOME.
Home! It should be Heaven on Earth

A LIFTED CURTAIN.

A MOTHER'S DREAM.

The curtain o'er her darling's fate
Was in the mother's sight updrawn,
And all the future of her child
Was in the hour of sleep made known,
With anxious eyes she saw it rise:
A lovely girl stood smiling there,
And yellow sunlight played around
The pale blue lilies on her hair.
The mother heaved a long drawn sigh,
She was too fair—too fair.

She saw a wealthy suitor come,
And lure her from her home away,
Before a ring was on her hand,
Before a happy marriage day.
The mother wept even as she slept,
Till agony too strong for tears—
Too strong for speech had touched her life,
And frozen all her sunny years;
The paradise of hope was lost
In clouds of blackest fears.

Despised by all the chaste and pure
A wretched outcast shivering stood;
No lilies on her draggled hair;
No graces left of womanhood;
With sin and shame upon her name,
Forsaken, left to meet her fate,
She lingered by the river's brink,
With love of life now changed to hate;
A darkened future on her frowned,
Repentance seemed too late.

A desperate plunge—a stifled cry,
And all of life for her was o'er.
The mother started from her sleep,
To find her darling came no more—
To thank her God the grassy sod
Waved o'er her little one's pure brow.
All might have been if she had lived,
But not a stain could reach her now;
The mother's soul to Heaven's decree
At length could humbly bow.

—*By J. Jackson.*

MY GOD DIRECTS THE STORM.

The spirit of the tempest shook
His wing of raven hue,
Above the sea and hollow winds
Howled o'er the waters blue.

Up rose the mountain billows high,
And swept a stormy path;
Darkness and terror mingled there
Their ministry of wrath.

A lonely bark, by bounding seas,
Tossed wildly to and fro,
Dashed o'er the billow's foaming brow,
To fearful depths below

Crash echoed crash!—the quivering spars
Broke o'er the leaning side,
And left the bark, a shattered wreck,
The stormy wave to ride.

The sturdy seamen struggled hard
To hold the yielding helm,
And hold the ship's prow to the surge,
That threatened to o'erwhelm

And when the plunging ruin spurned
Their impotent control,
They flew to drown their gloomy fears
In the accursed bowl.

Upon the raging ocean then
Helpless was left the bark,
To the wild mercy of the waves,
Amid the tempest dark.

Upon the deck, alone, there stood
A man of courage high;
A hero, from whose bosom fear
Had never drawn a sigh.

With folded arms, erect he stood,
His countenance was mild—
And calmly gazing on the scene,
He bowed his head and smiled.

A wild shriek from the cabin rose—
Up rushed his beauteous bride;
With locks dishevelled, and in tears,
She trembled by his side.

"O why, my love, upon thy lip,"
She cried, "doth play that smile,
When all is gloom and terror here,
And I must weep the while?"

No word the warrior spoke—but he
Drew from beneath his vest
A poinard bright, and placed its point
Against her bearing breast.

She started not, nor shrieked in dread
As she had shrieked before
But stood astonished, and surveyed
His tranquil features o'er.

"Now why," he asked, "dost thou not start?
May not thy blood be spilt?"
With sweet composure she replied,
"*My Husband holds the hilt!*"

"Dost wonder, then, that I am calm,
That fear shakes not my form?
I ne'er can tremble while I know
My God directs the storm!"

Say Well and Do Well.

In closing a sermon on "Good Works and Good Words," Dean Stanley of Westminster quoted the following lines, which some suppose were written by one of the earliest Deans of Westminster:—

Say well is good, but do well is better;
Do well seems the spirit, say well is the letter;
Say well is goodly and helps to please;
But to do well is godly, and gives the world ease;
Say well do silence sometimes is bound,
But do well is free on every ground.

Say well has friends—some here, some there,
But do well is welcome everywhere.
But say well many to God's word cleave;
But for lack of do well it often leave.
If say well and do well were bound in one frame,
They all were done, all were one, and gotten were gain

Would you be wisely and safely INSURED, call at the New Zealand Insurance Co., and obtain their Policy of safety.

THE PASSION FLOWER.

A TALE OF LOVE.

'Twas early "olden time," as the landscape proved. There was a rugged and recently battlemented house; from its keep a crusader's banner waved, and pike and crossbowmen paced the walls. The castle stood upon a hill, surrounded by a trench, across which was a drawbridge. At the foot of the hill was a scattered village—a village by courtesy alone, for the cottages, or rather huts, were desultory and widely parted from each other. The spot of ground taken up by the village had evidently been the clearing of a small portion of an extensive forest, the latter itself having originally been a portion of the first Norman's great hunting-grounds.

For a time nothing human is seen upon this landscape. At length there is a clanging of chains, the portcullis is raised, the drawbridge is dropped, and a young knight rides forth. He is but slightly armed; insufficiently for the joust, enough for self-protection in an age when all carried arms for self-defence, if not of offence. Unattended and alone he rode down the hill, and through the village; passing out at the opposite side, he forces himself through some thick underwood until he reaches a rough road, hewn through the trees for the passage of men-at-arms and knightly escorts. He rides for a good half hour till he reaches the foot of a hugely-spreading old oak; dismounting, he fastens his horse to the tree, and wends his way through a path edged on either side with brushwood until he comes upon an open and verdant glade of some acres in extent. Choosing a particular spot, he unfolds a scarf and waves it above his head.

There stands a tall turret, like the remains of an old castle, in the distance. He has not long waved his scarf in the direction of the turret, ere the action is answered by the waving of a crimson flag from the top of the tower, and shortly afterwards the figure of a female attired in pure white, and having a pink scarf around her waist, is seen galloping along the path upon a palfrey. The knight hastens to meet her, and they are speedily locked in each other's arms.

"Sweetest Maude, had I not known thee, I should have taken thee for an angel," said the knight, first speaking.

"I know not what thou couldst have taken me for, dear Florian, but it is not the first time you have flattered me with the title," replied the lady, and then many love passages passed between the two, till they seemed to forget the passing time, and that it was growing dusk. The sound of a neighboring convent-bell was heard through the distance.

"Harken, dear Florian, it is the vesper-bell; we must part," said the girl.

"So soon?" replied the knight, reproachfully.

"Nay, Florian, we have passed somewhat longer in each other's company than of late; but have you spoken to the proud lord, your kinsman?"

"Speak not of him, speak not of him, if you love me, Maude; he has commanded me to wed the Lady Florence, and I swear——"

"Nay, Sir Florian, swear not, for she is beautiful, rich and of noble descent. I am neither, since the last has been attainted."

"Maude, I pledge my knightly honor I love but you alone. Fly with me to a happier land. But first your secret—the secret of your birth; let me proclaim aloud to the world that the heir of a princely house has dared to wed the object of his love. You cannot, oh! you cannot be of base descent. Fly with me to the monastery; Father Ignatius will unite us, and then in a foreign land, we may dare the vengeance of my haughty kinsman; nay, I may even carve a new line;" and he clasped her in his arms.

The girl yielded to his embrace, and consented. The knight was in raptures, and in another moment he would have led her to her palfrey; but arresting his movement, she said, "But stay, Florian; ere we are united for ever, listen to my secret: I am the sole child of a brave but calumniated knight, Sir Roger de Beaumanoir."

"Sir Roger de Beaumanoir!" echoed the other, with amazement. "Then would that you had been the child of the basest serf!"

"Sir Florian," replied the lady, indignantly, "is it thus you repay my love like a false knight?

"But no, no," she added, passionately, "I live for you alone."

"Maude, I dare not offer you my hand; my race is clear from dishonor, my own fame is like my polished armor. Sir Roger was attainted for treason by the king, his spurs were struck from his heels in open court—I dare not, even for your love, bear all this," replied the knight, proudly.

"You are speaking to his daughter, Sir Florian," was the calm reply of the girl, her eyes suffused with tears.

The tears aroused the love of the knight. He fell at her feet, sought her pardon, again swore his love, and besought her to fly with him. Again she relented.

"We will start at once for Flanders," said Florian.

"Is Father Ignatius in readiness?" asked the maiden, and the color mounted high in the knight's cheeks, as he replied, "What need we, dearest Maude, whose love is so pure and holy of the interference of a priest? We can live and love—ay, I could exchange my very knighthood for your love."

For some minutes the girl made no reply. Her face was suffused with blushes; the blue veins in her forehead were gorged; at length she broke out into a wild, hysterical laugh: "Ah, ah, ah! What, Sir Florian, my father's daughter a light-o'-love? It were indeed worthy his punishment, but neither his merits, birth, nor my honor—all, all, Sir Florian, too high even for an emperor's leman."

Still she moved not from the spot. Florian caught caught her in his arms—she resisted—he became more importunate. A strong grasp was on his arm. He turned to resent it; it was an aged priest. The knight seemed to know and respect him, for he let go his hold of Maude.

"What means this strange trysting?" said the monk. "Sir Florian," this is not seemly; thou hadst better join thy princely kinsman; hearken to his horn; he is returning this way;" and at the moment a gay troop of knights and gentlemen in hunting gear passed; the elder of the troop, who seemed the leader, addressed Florian:

"What ho!" Florian, toying, thou sly rogue, with a pretty demoiselle? This would not sound well in the ears of thy affianced, the fair lady Madeline; nevertheless, home with us, cousin and we will not tell of thy disportings."

Maude had listened to the old lord's words; they sunk deeply into her heart, and she was carried, fainting, homewards by the monk.

"A base knight and a craven," said the latter; "forget him, girl; thou art as well born; he has dared that, and were I his age and cloth, would have cost him a dagger's thrust! But, God's me! I have already suffered too much by human passions and distempers."

"Father, he loves me, and yet would disgrace me."

"Forget him, child."

"In the grave, father. I have none to love but him; my heart, my soul, is formed of his love; destroy that, and all is gone—I die—but then I should love on in some form; I cannot exist without love—and love is Florian—Florian is love."

Months passed on; the tree of love had taken root in the maiden's heart, strong and wide-spreading as an oak; remove it, and you removed and tore into fragments the soil in which it was embedded;—poison the root, and the flower perishes—sinks sapless into nothing. So with Maude, fair flower of the wilderness; the root of her existence was her love; it had been sapped, but she loved on; the more she loved, the less she lived—would she live, she must kill love—would she love, she must kill life. She lived till summer time, and then she flickered with life, fragile but brilliant; and in the hot summer days she would sit by the neighboring stream, day-dreaming of Florian. One day she sat by the water's edge, and called upon the name of Florian, implored of him to return her pure love; she gazed into the water, she saw his image there; the trees, the clouds, nay, in the very distance, she could see her Florian, but he would not speak to her; and as life drew nearer to its close, her love grew firmer; she swore upon her heart she would see, watch, and protect his future; praying, dreaming, watching, nay, peering into hope, she swooned. She recovered to discover herself in the arms of a beautiful being of a female form—too pure, too good in aspect for an inhabitant of this earth. She then with her last gasp implored for a future existence in the form of something that would keep her ever near the being she loved, and a soft voice whispered, "it shall be even so, and he will love you yet."

A SERMON TO GIRLS---ON COOKING.

Cooking-classes have been popular among fashionable young ladies of late years. But there is no cooking-class which quite equals in its opportunity for excellent information, that which you may find at home. Presuming that I am talking to a girl who has just left school, I advise you to make use of your leisure in taking lessons of your mother. There is an absolutely splendid feeling of independence in knowing how to make perfectly light, sweet, substantil bread. Then try your hand at biscuits, muffins, corn bread, toast, and all the different forms into which breadstuffs may be blended. Toast seems a simple thing enough, but it is frequently so poorly made that it does not deserve the name. Toast, a necessity of the sick room, is often a hopeless mystery to women who have the vaguest idea of how it is evolved from the raw material. After you have mastered the bread question, try meats and vegetables. Any bright girl who can comprehend an equation, or formulate a syllogism, can overcome the difficulties which beset her when learning to cook. Lucent syrups, golden cake, delicately browned bread, quivering jellies, melting creams, and the whole set of material things glorified, because made for love's sake, and for the good of one's dear ones, are fit expressions for any woman. The charm of this accomplishment lies in the fact, that it imparts to its owner a gratifying sense of power, it bestows on her, too, the power of blessing and resting those she loves best. Wherever the cook goes she takes her welcome along. One may tire of the sweetest singing, of the loveliest poetry, of the finest painting, and of the most witty conversation, but of good cooking, never. But I would be sorry to have you contented to be only a cook, only a domestic machine. That is not my meaning or intention. Be artist, poet, inventor, and well-bred woman; be the most and the best that you can, and add, as a matter of course, ability to keep house well and to do all that good housekeeping includes.—*M. E. Sangster.*

Departed Friends---Still Speak to Us.

We have laid our friends in the grave, but they are around us. The little children who sat upon our knee, into whose eyes we look with love, whose little hands have clasped our neck, on whose cheek we have imprinted the kiss—we can almost feel the throbbing of their hearts to-day. It seems to me that sometimes when our heads are on the pillow, there come whispers of joy from the spirit land, which have dropped into our hearts thoughts of the sublime and beautiful and glorious, as if some angel's wing passed over our brow, and some dear one sat by our pillow and communed with our heart to raise our affections towards the other and better world.—*Bishop Simpson.*

Floral Magazine.

The lovers of flowers, if there are any not acquainted with the fact, will be glad to learn that *Vick's Illustrated Monthly Magazine* is just the work they need to render success in flower culture both easy and pleasant. It is as beautiful as it is interesting and useful. Each number, besides many engravings, contains at least one colored plate, and the January number, now before us, has a group of roses, finely colored, and one representing different styles of church and house decoration for festive occasions, published by James Vick, Rochester, N. Y.; $1.25 a year.

EATING BY RULE.

Eating is a thing of prime importance in this world. Looked at it merely in a philosophical way, it is the fuel that generates steam for the engine. The body unfed would in a day or two, be like a steamer without coal, unable to turn the wheel, and drifting helpless. Yet no one eats with this thought in his mind, but simply because he is hungry. For thousands of years men have eaten without a scientific motive, without rational appreciation of the relations of food to bone, nerve, muscle and so on. The whole motive lay in the mouth. Men ate because it tasted good! But, by and by, when science shall have opened up the matter properly, when we know just the ingredients which the various parts of the body need, we shall have scientific bills of fare, in which dishes will not be obscured in absurd foreign names, but will be named from their true uses. Then we shall have bone-building, fat-producing, nerve replenishing, muscle-forming dishes. The host will scorn the days of ignorance when men asked their guests to take beef or pudding. To a lean and cadaverous guest he will say: "Let me fill up your tissue," or "My dear sir, your bones are brittle, allow, me to pass this compound. Better bones were never made than this produces." To some exiguous scholar, thin and nervous, the jolly host will say, "My dear fellow, let me help you to brains. What do you affect? This dish runs strongly to poetry—or philosophy is it? This has been found to be admirable. Why, sir, philosophy is only food etherialized. To such a nicety have we reduced the science of cooking, that I can send a bill to my cook any day: 'Send up four philosophers, two musicians, and one poet,' and he will at once set things a-stew, and in his skillet or pan the hidden elements will begin to hiss and sputter, that in a day or two will come forth from some brain as a sonnet or madrigal, or a grave chapter of philosophy."

What an age that will be! Now a man eats promiscuously. Often when the preacher would be tender, he in his ignorance has been feeding combativeness? He fain would appeal to men's consciences, but has been eating food that breeds abstract thought. In the culinary millenium, a man and his cook, will be like twin brothers. The lawyer will say: "Give me a jury breakfast, Tom—an average jury;" and looking into his new philosophical receipt book, his dear Tom will find just the articles required. The man will gain his case, unless his opponent has a better cook and was fed up to a higher pleading power. In that day intuitions will be subject to order. The right part being fed, it will be automatically active. We shall no more hear about "ragout" and "chops," and "steaks a la," this, that or the other thing. The comfits and custards and bon-bons will give way to higher names indicative of mental powers. We shall hear men say, "Do let me give you another spoonful of conscientia. Those speculations are very trying, and you need strength in the right spot."

"Lost the game? Why, you neglected yourself. Chess is a sure thing on this diet. Let me help you to a little more."

"Don't my dear madam, don't touch that! not but that I am willing that you should have anything that the house affords. But it is provoking to the temper. It is for timid persons entirely."

Ah, me! what a world of teaching and trouble, and mistake, and blaming, will be over with, when we can extract morals from a stew-pan, and turn out problems from the kitchen like omelets. Meanwhile we shall have to eat on in the old way, only looking over into this promised land of science—*Henry Ward Beecher.*

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Miscellany.

Gatherings along the way side,
Floating gems by every tide.

THE DOG AND CHILD.

Mr. Elihu Burritt gives in his book, called "A Walk from London to Land's End and Back," a touching illustration of the affection of a dog in Truro:

"I was sitting at the breakfast-table of a friend, who is a druggist, when he was called into the shop by a neighbor, who had come for medical advice and aid, in a very remarkable and affecting case.

"He described it briefly and simply, but it would fill a volume of beautiful meaning. His family dog had incidentally made the acquaintance of a neighbor's child on the other side of the street.

"While lying on the door-stone, he had noticed this little thing, sometimes at the chamber window and sometimes on the pavement, in a little carriage.

"During one of his walks on that side of the street, he met the baby, and looked over the rim of the basket carriage, as a loving dog can look, straight into a pair of baby eyes, and said 'Good-morning!' as well as he could.

"Little by little, day by day, and week by week, this companionship went on, growing with the growth, and strengthening with the strength of the little one. The dog, doubtless because his master had no young child of his own, came at last to transfer frequently his watch and ward to the door-stone on the other side of the street, to follow as a guard of honor, the baby's carriage on its daily airings.

"With what delight he gave himself up to all the petting, and little rude rompings, and rough-and-tumblings, of those baby hands. One day, as the dog lay in watch by the door-stone, the child, peeping out of the window above, lost its balance and fell on the stone pavement below. It never breathed again. It was taken up quite dead! The red drops of the young life had bespattered the feet and face of the dog as he sprang to the rescue. His heart died out within him in one long whining groan of grief. From that moment he refused to eat. He refused to be comforted by his master's voice and by his master's home. Day by day, and night by night, he lay upon the spot where the child fell.

"This was the neighbor's errand. He told it in a few simple words. He had come to my friend, the druggist, for a prescription for his dog—something to bring back his appetite."—*Our Dumb Animals.*

SINGING MICE.

The song to which the little creature gave utterance again and again in our full view was as sweet and varied as the warbling of any bird. It most resembled that of the canary; but the melody of the nightingale was occasionally introduced. Every note was clear and distinct, but withal so soft, so gentle, tender and pianissimo, that I can only compare it to the voice of a bird muffled by being heard through a down pillow. In the room was a canary, whose cage was suspended in one of the windows. He had settled himself to roost, and his head was under his wing; but at the sound of "Nicodemus's" serenade he awoke, and listening attentively, and fantastically leaning alternately to the right and left, peeped curiously down to the floor. I learned that mouse and bird were intimately acquainted with each other, and that the former frequently visited his feathered friend, and stayed to supper. Accordingly, while we look on with interest and pleasure, "Nicodemus" climbed up the drawn curtains, entered the bird's cage, and partook of the seed; the canary showing no symptom of disapprobation or disturbance, but merely from his perch peering down on his visitor in a ludicrously quaint and odd manner. During his supper-time, "Nicodemus" obliged us, from the cage, with several repetitions of his song; "The Chirper," down below on the carpet, occasionally coming in with a monotonous contralto accompaniment, and sometimes emitting a sound like the squeaking of a cork-screw through a cork. The two little songsters, having done their best to please us, were rewarded with all that mice could wish for as components of a feast; and, after selecting the portions they severally preferred, gracefully retired.—From "*Singing Mice*," by HENRY LEE, in *Popular Science Monthly.*

A Musical Compliment.

This is the way Col. Ingersoll indorses Miss Emma Abbott: "Since I saw you years ago with the guitar, your soul has burst into flowers. You were a chrysalis then. To-day when I listened to your voice I heard the rustling of wings. Who could have thought that the little bleak field of your past, drifted with snow, over which moaned the wind, would at last be covered with blossoms of song? And yet all this, it may be, was necessary. In your voice is mingled the pathos of the past and the glad victory of the present. You have suffered, loved, and succeeded. Your voice is as fresh as dew and as pure as dawn. Allow me to mingle my thanks and congratulations with the general voice, and to remain, yours, R. G. INGERSOLL."

In the Limerick paper, an Irish gentleman, whose wife had absconded from him, thus cautions the public against trusting her:

"My wife has eloped from me without *rhyme* or *reason* and I desire no one will trust her on my account, *for I am not married to her.*"—*The N. Y. Columbian of* 1811.

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TESTIMONIALS:

WONDERFUL!

WARWICK, QUEENSLAND, April 21, 1877.

MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR,—I think it my duty to you, and for the benefit of others, to state, that for the past two years I have been troubled with a pain in my left side, I think through a hurt. I have been under the treatment of two medical men here. One told me I had heart disease; another, disease of the lungs. I went to Brisbane and consulted one of the leading Physicians there. I spent thirty pounds with doctors for medicine, and was worse than when I commenced. I could scarcely breathe for pain, and had given up hope that I was ever to be better. I heard of many cures by your Liver and Bilious Pills; I thought I would try them. I have only taken three small boxes: the pain is gone, my general health is improved, and now I can work as well as ever I have done. I have been working on the roads. My case has been well known here, and my wonderful recovery. Being for ever thankful to you. I am, truly yours,

WILLIAM STEWART.

PARTICULARLY NOTE THIS.

HERMITAGE, WARWICK, August 14, 1877.

MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR,—Four years ago I was sluicing tin at the Tin Mines. With standing in the water I took cold shiverings with night sweats—lost all desire for food. Consulted a Physician in Warwick; was under his treatment four months without improvement. Dissatisfied, went to another, who gave me no hope of recovery, but improved a little under his treatment. One day, being very warm, I bathed in the river, and coming out of the water felt very ill. Went back to the doctor, who renewed the medicine without any benefit. In addition to the weakness and night sweats I had intense pain through my body, especially in my left side. My breathing was so painful and difficult, I thought I would be suffocated. I was five months, after the relapse, under the Doctor's treatment, getting worse every day, till the Doctor told me to go home, that I could not possibly live a week. I went home very sad. My wife persuaded me to try your Liver and Bilious Pills. I did. Before I used one box the night sweats were gone, the pain in my side better, my appetite improving. Got another box, and before it was finished, the pains were all gone, my breathing improved, and now, two months after, I never enjoyed better health, can do my work as well as I ever did. I can thoroughly recommend your Pills as having saved my life.

MICHAEL BYRNE.

WARWICK, December 30th, 1872.

To MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed *good health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON

LONDON BOARDING HOUSE, ALBION STREET,

WARWICK, September 23, 1874.

To MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)

JOHN GREEN,
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TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus:

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir:*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it but if I must take it give me the Eucalyptus above all others. Yours sincerely,

GALEN CLARK.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you Davi Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY

David Clarke,

Manufacturing and Wholesale Chemist,

AT HIS LABORATORY,

Warwick, Queensland.

FOR SALE BY

WARREN & CO.,

SOLE AGENTS FOR THE

UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

COMMISSION SALES-ROOM, —AND— Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We would therefore offer to make purchases for all who wish our services, of any of these articles named, or for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipmen of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and eve y article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

BOOKS---SEEDS---TREES

All rare and choice things can always be purchased as above.

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE,

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,

LARGE TREES 6 to 8 feet high,

MEDIUM TREES 4 to 6 feet high,

SECOND SIZE 3 to 4 feet high,

THIRD SIZE 2 to 3 feet high,

FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED.

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine **Patent Bee Hives** of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,

320 Clay Street,

SAN FRANCISCO.

EUCALYPTUS OIL.

The rare EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Liniment for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Liniment is needed, as it has been proved to be the best Liniment known.

FOR SALE,

Wholesale and Retail,

WARREN & CO.,

320 Clay Street,

AGENTS FOR DAVID CLARKE'S REMEDIALS.

TO ADVERTISERS ABROAD.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows:—All line advertisements will be ONE DOLLARS for Five Lines, or less, Nonpareil, *first insertion*; larger space, *Fifteen Cents per Line*; each subsequent insertion, *Ten Cents per Line.* This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community.

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $20.00.

For one-eight of a column, three months.....$15.00 | For one-half of a column, three months..... 50.00
For one-quarter of a column, three months..... 30.00 | For an entire column, three months..... 100.00

For a six months, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable, the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rate

WARREN & CO., Proprietors,
320 CLAY STREET, SAN FRANCISCO.

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill!*" this we cannot do without CASH, or a special understanding before hand.

WARREN & CO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, February 6, 1879.

Money and Exchange Tables.

Exc. on England, new style, long and short	4 80 a 4 85½
Gold, at par	— 1 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	8s 8d a 9s 1d.
Value of Club Wheat in Liverpool	9s d.a 9s 4d.
Value of Wheat in New York, bushel	1 05 — 1 12
Brewers Barley in New York, bushel	1 10 — 1 15

MONEY AND EXCHANGE TABLES.

The *Money Market* continues to fill up with an abundance of capital, and large amounts of it is laying idle or seeking the U. S. Bonds as the best and safest investment—It is deeply to be regretted that our capitalists do not join and give an impetus to manufactures, which with a well directed effort can be made a better paying investment than even U S. Bonds.

Why should we import what we can manufacture? and do it as well and better than any other people, It has been proved that our woolen goods, and our blankets from the Mission Mills bore off the prize wherever shown—our brooms, pails and tubs and the cutlery of our State carries off the palm wherever exported—why should we not have manufactories of silk, mohair, linen and cotton goods on a large scale? It would pay better to our State than to import them.

The banks here and all our capitalists are working hard to find good investments for their money, let them encourage "Home Manufactures," and the new life given to business generally would soon call all the idle money into use, and yield them a good and a permanent return.

Money is very plenty here in the great depositories, but scarce among the common people and business men generally—scarce among farmers, mechanics, and tradesmen over the State, this stagnates trade.

The Bank of England has cut down the rate of interests to 3 per cent. France quotes very low interest, with full treasuries. Germany more use for her money. Russia, Turkey and other nations want money.

Our bank rates are 7 to 9 and 9 to 12 per cent, according to rates—long loans can be had at 7 per cent and less.

GRAIN AND FLOUR MARKET.

The *Grain market* has been in a quiet condition since our last, a very moderate movement in comparison to former months—the whole export of Grain and Flour from January 1st being but 16 cargoes, the value of a little over a $1,000,000—the whole shipment from July, '78, being 106 cargoes, and in value over $12,000,000—more than double the value of shipments in the previous year

The prices of *Wheat* and *Flour* have not materially changed from the last week, although Wheat has softened a little, even while efforts are made to create a rise, by reason of the Plague spot in Europe that would shut out Russian Wheat from England, and so advance the price in our market.

It should be borne in mind by all that move in this matter, that there is more Wheat and Flour in the Eastern States to spare than was ever known before, and California must not be supposed to be the only supply for England.

The report of the Grain crop, on hand, that we published last week, large as it was, we believe that there is 25 per cent more in our State than then supposed, and this arises from the fact of a vast number of small lots not easily found.

The *market* for *Barley* has improved and quickened, price advanced, sales quick for both Brewing and Feed Barley, with prospects of continued demand.

The demand is not active for *Oats, Corn, Rye* or *Buckwheat*—all these are of slow sale now, and stocks accumulate of each kind.

The various *Feed Stuffs, Bran, Middlings, Ground Barley, Corn Meal*, and *Oil Cake Meal*, are about the same rates as last quoted.

The *Trade* in *Hops* was never so flat, there is no demand and no value, one of the dullest articles of produce in our market is Hops, price low down, rates from 1 to 2 cents, extra 1½ cents.

Our export of Hops the last two years have been about 500,000 pounds each year

The *Honey market* gives a very sweet and palatable business to dealers, the crop this year of marketable Honey being about ten times the crop of 1877, about 1,000 tons, a wonderful harvest, and with a good export demand, it has been a good paying business to the producer, as bees cost nothing to feed, they go out foraging for the sweets everywhere, and come home loaded. *Beeswax*, large stock, price declined.

The *Hay market* has been a good one, the receipts to this market from July 1st, last, is nearly 400,000 bales, the price of Hay this week is about the same as our last quotation—very little change—steady supply, steady trade.

The *Seed Trade* has not been good this season, the delay of rain checked the sowing of all kinds of grass seeds—the cold freezing weather stopped the planting of Alfalfa, cutting off a large sale of this seed for the season and putting down the price—seed Alfalfa is 2 or 3 cents less in value from a month ago.

The *market* for *Potatoes* has been good, *Spuds* in good demand, varying from 85 cents to $2—Early Rose commanding the highest figures, no Salt Lakes, no Cuffy Cores in market—*Sweets* are in fair demand at $1.60 to $1.75

The scarcity of *Onions* has caused them to advance to 7c.—a price rarely known in this market.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 55 — 1 60
do Choice do.	1 65 — 1 67
do Milling do.	1 70 — 1 75
Barley, per 100 lbs., feed	95 — 1 00
Barley, for brewing, (Chevalier)	1 15 — 1 20
New Rye	1 15 — 1 20
Oats, California, per 100 lbs.	1 30 — 1 45
Corn, do. do.	95 — 1 05
Flour, Superfine, per bbl	4 00 — 4 25
do. Extra	4 50 — 4 50
Extra Flour for shipping	5 25 — 5 50
Very Extra Family Flour	5 25 — 6 00
Oregon Superfine	4 00 — 4 25
do. Extra for Shipping	5 00 — 5 25
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 25 — 1 35
Bran per ton	17 00 — 18 00
Middlings per ton	23 00 — 24 00
Ground Barley	23 50 — 24 00
Oil Cake Meal, for feed, per ton	— 30 00
Beans, per 100 lbs, various	1 75 — 3 00
Potatoes common	80 — 1 00
Potatoes choice	1 40 — 1 50
Sweet Potatoes	1 25 — 1 75
Onions, new	2 00 — 3 25
Hay per ton, ordinary	9 00 — 10 00
Hay per ton, extra	11 50 — 13 00
Wheat Hay	13 00 — 16 50
Alfalfa Hay	—
Straw per ton	5 00 — 6 00

Retail Prices in the Fruit Market.

Our *Fruit* market does not make as great a display of varieties of fruit as usual—the great show is Oregon Apples—our California Oranges now begin to flow in, small at first but better soon, and the Island Oranges, Bananas, Lemons, Limes, Nuts, etc.—in about a month or six weeks, a change will come, and a good show made.

Apples, per box	75 — 1 50
do. do. lb	0 — 8
Pears, per box	1 00 — 1 50
" per lb	10 — 12
White Grapes, per lb	15 — 20
Black Grapes, per lb	15 — 20
Figs, dried, per lb	12 — 15
Tahiti Oranges, per doz	25 — 40
Lemons, imported, do.	30 — 50
Limes, do. do.	20 — 25
Fine Apples, each	75 — 1 00
Bananas, per bunch	2 00 — 3 50
California Oranges, per dozen	20 — 75
" Lemons, "	40 — 75
" Limes, "	25 — 50
Persimmon	20 — 25
California Walnuts, per pound	10 — 12
Almonds, hard shell, per pound	12 — 15
do. soft shell, do.	15 — 20
Foreign Pecan Nuts	15 — 20
Madeira Nuts	20 — 25
Foreign Brazil Nuts	15 — 20
Filberts	15 — 20
Chili Walnuts	8 — 10

Retail Price in the Vegetable Market.

We can with truth repeat what we said in our last.

The *Vegetable Market* when the severe weather is considered is remarkable—there is no market in the world that can show as large a display of superior vegetables at the Winter's season as our own California markets.

The large quantities, the great variety, and the superior quality cannot be equalled the world over.

Artichokes, (French) per doz	10 — 20
Tomatoes, per lb	5 — 6
Beets, per doz	— 25
Broccoli, each	10 — 12
Cauliflower	8 — 10
Cabbage, do.	10 — 12
Carrots, per doz	75 — 1 00
Celery do.	— 75
Celery Root per dozen	10 — 12
Cress, per dozen bunches	60 — 80
Cranberries, per gallon	30 — 40
Dried Herbs, per doz	— 50
Green Peas, per lb	12 — 12
Lettuce per doz. bunches	4 — 5
Onions per lb	12 — 15
Horseradish, per lb	— 50
Okra, green, per lb	— 60
Okra, dried, per lb	2 — 24
Choice Potatoes	2 00 — 2 50
Potatoes choice, per 100 lbs	3 — 4
Kidney Potatoes, per lb	2 — 3
Pumpkins	— 20
Parsnips, per doz. bunches	— 20
Salsify, do. do.	15 — 20
Parsley, do. do.	40 — 60
Pickles, per gallon	6 — 8
Radishes per doz. bunches	2 — 5
Squash, Marrowfat	— 3
do. Hubbard	8 — 10
Lima, Dry	— 8
String Beans, per lb	— 8
Sprouts per lb	4 — 5
Sorrel, per bunch	— 20
Turnips, per doz	2 — 10
Garlic	15 — 20
Eschalots	

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea. We beat the world for choice fish.

Salmon ₱ lb	10 — 12
do smoked new	10 — 12
do pickled, ₱ lb	0 — 10
Lake Bigler Trout each	20 — 25
Lake Bigler Trout, extra	25 — 30
Smelts, per lb	— 12
Perch do	— 12
Rockfish do	— 12
Catfish, dry, per lb	— 10
Herring, fresh, per lb	— 8
do smoked, ₱ doz	— 25
Tomcod, per lb	— 12
Sardines, fresh, per lb	— 10
Solefish, per lb	15 — 20
Mackerel pickled, each	— 25
Shrimps, per lb	8 — 10
Flounders do.	12 — 15
Sea Bass do.	— 20
Halibut do.	40 — 50
Sturgeon do.	— 4
Turbut do	30 — 40
Terrapin, ₱ doz	2 50 — 3 00
Pompono do.	— 2 50
King Fish do.	— 25
Anchovies do.	12 — 15
Frogs, per doz	2 00 — 2 50

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market.

Oysters ₱ 100 choice	75 — 1 00
Chesapeake oysters per dozen	50 — 75
Crow Fish, per lb	12 — 15
Clams per 100	— 50
Mussels do	— 25
Crabs, boiled, each	— 25
do. soft, per doz	— 50

Retail Meat Market.

The *Retail Meat market* furnishes all the choicest kinds at unusually low figures for this season of the year.

Porter House	15 — 20
Porter House, extra	20 — 25
Beef, tenderloin, per lb	15 — 20
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb.	10 — 12
do chops	10 — 12
Veal, per lb.	10 — 12
do cutlet	15 — 18
Mutton chops, per lb., extra	10 — 12
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	10 — 12
Beef tongues, each	— 75
Pigs tongues, each	— 15
Bacon, California, salt per lb	13 — 14
do do smoked	12 — 13
do do sugar cured	13 — 15
Hams, California	13 — 15
Choice hams, Duffield	15 — 18
Whitaker, St. Louis, Mo	15 — 18

Poultry and Game Market.

The *Poultry market* runs lower down, making demand better and a quicker sale, prices are reasonable.

RETAIL PRICES.

Ducks tame each	75 — 90
Canvas Backs, pair	75 — 1 00
Small Ducks, dozen	1 00 — 1 50
Geese tame, per pair	2 00 — 2 50
Broilers	50 — 60
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	20 — 22
Snipe, English per doz	3 00 — 3 50
Pigeons, domestic, per doz	4 00 — 4 50
Quail, per doz	1 00 — 1 50
Hares each	25 — 33
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Squirrels, per pair	— 25
Venison per lb	12 — 15

Poultry and Game—Wholesale.

Broilers, per doz	4 00 — 5 00
Large Chickens, per doz	6 00 — 7 00
Hens, per doz	7 00 — 8 00
Turkeys, dressed, per lb	18 — 20
Ducks, tame, per doz	7 00 — 7 50
Canvas Backs, dozen	3 00 — 3 50
Small Ducks, dozen	1 00 — 1 50
English Snipe, per doz	2 50 — 3 00
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Quail, per doz	75 — 1 00
Hares, per doz	2 00 — 2 50
Rabbits, tame, per doz	1 50 — 1 75
Squirrels, per doz	75 — 1 00
Venison, per lb	7 — 8

Retail Dairy Market.

The *Dairy market* has been moderately active, good choice roll butter fair demand—pickled butter scarce, Eastern butter out: fresh eggs plenty and lower—choice California cheese wanted, price better

Butter, California, Extra Choice per lb	35 — 40
do. do. for (Cooking) do.	25 — 30
do. do. packed best roll	27 — 30
do. do. Eastern	25 — 30
California Eggs, per doz	23 — 30
Oregon	25 — 27
Duck Eggs, do.	22 — 27
Cheese per lb.	15 — 20
do. Sage, per lb.	25 — 30
Eastern Cheese, do.	25 — 30
Lard, California, per lb	18 — 20
Lard Eastern, do.	— 18
Honey, Comb	15 — 18
do. Strained	8 — 12
Vermont Maple Sugar, per lb	— 20

Dairy Produce, Eggs, etc.—Wholesale.

The *Wholesale Dairy Market* is not active, large stocks are gathering, and sales not large, the retail trade is all that gives life to it.

Butter, California, per lb. (Fresh)	32 — 35
do. Packed Roll, do.	24 — 27
Eastern Butter	20 — 22
Cheese, California, per lb	10 — 13
California Eggs, per doz	23½ — 25
Eastern Eggs, per doz	20 — 21
Duck Eggs, "	22 — 25
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	13 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging Trade* is now at low tide—the dormant season for sellers, but just the time for our grain growers to buy, now is their time, the bags will never opened their mouths for them so wide as now for them to save in price.

We counsel all who want grain bags for their crop of next year, buy now, go to Neville & Co. and secure your bargains without delay—remember last year, the fall season of '77—they could have purchased bags at 8½ cents, they waited and paid 12½ to 15 cents—learn wisdom and buy now.

We thus repeat what we said last week, for it is the best advice we can give our grain growers.

Hand Sewed Bags, Standard, 22x36 com. prices	8 — 9½ cts.
Second Hand, Extra	8 — 8½ do
Machine Sewed, 22 x 36	10½ — 12½ do
do. do. 20 x 36	10½ — 11 do
Barley Bags, 22 x 40	11 — 12½ do
" " 24 x 36	9½ — 10 do
" " second hand	— 6½ do
Wool-sacks, new	45 — 55 do
do. second hand	30 — 40 do
Potatoe Gunnies, Double Sewed	13 — 14 do
do. do. Second Hand	10½ — 11 do
Flour Bags, quarters	6½ — 6½ do
do. halfs, six qualities	9 — 11 do

Staple Home Products.

The exhibit of *Home Products* are not as large as usual—cold and storms prevent a large stock, Oranges and Lemons are not yet in good stock, only the first small crop—Raisins are very fine, the "Blower" Raisins of Woodland now sweep the market and are highly esteemed abroad, where large quantities are sent—California Nuts and Almonds are fine, and so of our Peanuts—our own products are always the best.

Flax Seed, per lb	2½ — 3½
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	3 — 3½
Castor Oil No 1 Diamond in cases, per gallon	— 1 10
" " " barrels "	— 1 05
Castor Oil, No. 2 Diamond in cases per gallon	— 1 00
" " " barrels "	— 95
Linseed Oil, Boiled	— 75
do. Raw	— 72
Cocoa Oil	— 65
Hops, California	5 — 10½
Alfalfa	12 — 14
Mustard Seed	2 — 3
English do.	4 — 5
Canary Seed	4 — 5
Coriander Seed	6 — 10
Broom Corn	4 — 6
Bees Wax	20 — 28
Pea Nuts	5 — 7
Walnuts	8 — 10
Almonds, Soft Shelled	12 — 14
do. Hard do.	8 — 10
Pecans	14 — 16
Filberts	12 — 14

California Leather Market Report.

The *Hide, Leather* and *Tallow markets* partakes of the general stagnation of trade—waiting, waiting, for a revival.

California Sole Leather	23 — 30
do. Harness do.	— 30
do. Skirtings	— 37½
Bridle Leather	44 — 65
Rough do. Oak Tanned	15 — 20
WaxedCalf Skins	50 — 1 00
do. Kips do. per dozen	30 00 — 55 00
do. Leather per foot	15 — 17

Wool, Tallow, Hides, Etc.

The *Wool market* is stagnant so far as demand or sale, and prices nominal.

Wool, Spring Clip	15 — 16
do. Choice Extra	17 — 20
Fall Clip	14 — 18
Oregon Wool, per lb	19 — 21
Medium, bright	12 — 14
do. Burry	10 — 11
Goats' Wool (mohair)	20 — 75
Dry Hides, per lb.	14 — 15
Green Salted, per lb.	7 — 8
Deer Skins	60 — 1 00
Sheep Skins, wool on	50 — 75
do. do. plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	6 — 6½
Tallow, refined	7 — 8

Average Slaughtering Prices.

The *Wholesale Meat market* continues well supplied, and at low figures, the quality of the meats in our markets are always A No. 1—this week prices are low.

Beef, American, 1st. quality	5 — 6½ cts
do. do. 2d. do.	4 — 5 do.
do. do 3d. do.	3½ — 4 do.
Veal	6 — 7 do
Mutton	4 — 4½ do
Lamb	— do
Pork, Undressed	3½ — 4½ do
do. Dressed	5½ — 6 do

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED ACCOMMODATIONS for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU January 20th, and every fourth week thereafter

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports, also, HAVANA and all WEST INDIES ports on 5th and 20th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

47:5

GILHAM'S

GUARD WELL THIS NOBLE ANIMAL. HUMANITY TO THE HORSE

—CURES ALSO—

Burns, Bruises, Scratches, Scalds, Mange, Etc., Etc.

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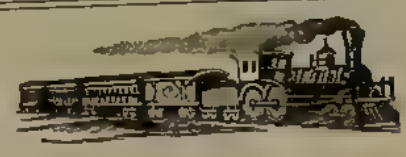

C. P. R. R

COMMENCING

SUNDAY, JUNE 6th, 1875.

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma.
(Arrive 6:55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:55 P. M.
(Arrive 6:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma.
(Arrive 6:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations.
(Arrive 9:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Caliente and Los Angeles Also at Niles with Train arriving at San Jose 6:55 P. M.
(Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento.
(Arrive 11:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 6:00 A. M., daily.
(Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND

"Daily" 7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M.; 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.
"Daily, except Sundays"—6:10 A. M. and 11:45 P. M.
"Sundays only"—10:00 and 11:30 A. M.; 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4:00 5:00 6:00 and 10:30 P. M.
"Sundays only"—11:00 A. M., and 1:30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M.; 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN

"Daily"—7:30, 8:30 and 9:30 A. M.; 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.
"Daily, except Sunday"—6:30, 11:00 A. M. and 11:45
"Sundays only"—10:30, 11:30 A. M. and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 and 10:10 P. M.
"Daily, except Sundays"—5:10 and 5:50.
"Sundays only"—11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:03 and 9:00 A. M.; 3:00, 3:58, 5:00, 6:03 and 7:00 P. M.
"Daily, except Sundays"—5:00, 5:40, 11:30, A. M., and 1:30 P. M.
"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—6:55, 8:00 and 11:05 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M.; 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:20, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.
"Daily, except Sundays"—5:20 A. M. and 1:50 P. M.
"Sundays only"—10:20 and 11:20 A. M.; 12:20, 1:20 and 1:35 P. M.

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General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad

NORTHERN DIVISION.

Winter Arrangement.

Commencing Monday, December 5, 1878,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO (from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows:

8:30 A. M., Daily for San Jose, Gilroy Hollister Tres Pinos, Pajaro, Salinas, Soledad and all Way Stations.
AT PAJARO connects with the SANTA CRUZ, R. R. for Aptos and Santa Cruz.
At Salinas connects with the M. & S. V. R. R. for Monterey
Stage connections made with this train.

10:40 A. M., Daily for San Jose and Way Stations.

3:30 P. M., Daily, (Sundays excepted,) for Gilroy.

4:40 P. M., Daily for San Jose and Way Stations.

6:30 P. M., Daily for Menlo Park and Way Stations.

The extra Sunday train to San Jose and Way Stations is discontinued for the Winter season.

EXCURSION TICKETS to San Jose and intermediate points and return sold on Saturdays and Sunday mornings—good for return until following Monday mornings.

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street at 1:00 P. M daily, and making close connection at GOSHEN for Sumner, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton Colorado, River and YUMA.

S. P. R. R.

(NORTHERN DIVISION.)

SPECIAL ANNOUNCEMENT.

Commencing Saturday, July 13, 1878.

EXCURSION TICKETS

Will be sold by this Company from

SAN FRANCISCO

—TO—

San Jose and other Points and Return,

At Greatly Reduced Rates.

Tickets to San Jose, good for Return by either the Southern or Central Pacific Railroads.
These tickets will be sold ONLY on SATURDAYS and SUNDAY MORNINGS.
The RETURN TRIP Ticket will not be good for passage after the MONDAY following the date of purchase.
Ticket Offices—Passengers Depot, Townsend Street and at Valencia Street Station.

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Tk't Agent.

NOTICE—SAN JOSE Excursion Tickets (via C. P. R. R.) can be purchased at the Offices of the Central Pacific Rail Road, Oakland Ferry, foot of Market Street, San Francisco, also, at the several Ticket Offices in Oakland. 48:9

1854. 1879.

THE

CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FIFTH Year with 1879, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast

The California Farmer

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The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on this Coast—this was at Sacramento in the year of 1852, and also the GRAND FAIR at San Francisco in 1853—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

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THE CALIFORNIA FARMER was the FIRST and only advocate for the planting of the ALFALFA as a forage plant, and the first to introduce the seed and its culture, and not only this grass, but all other valuable grains and forage plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STONING WHEAT, of SUMMER FALLOW, of SUBSOILING, and of DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL—doctrines that have now, after long years of trial become the basis of true and successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE OF AGRICULTURE, which such years of labor merit, our JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

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California Farmer.

1879.

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CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, FEBRUARY 20, 1879. NO. 3.

The California Farmer.

AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

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EUROPEAN.

From our Special Correspondent.

PARIS, January 2d, 1878.

SOIL FERTILIZERS.

No doubt it is very laudable to extract phosphates from the bowels of the earth; to import guano from South America and Australia; nitrate of soda from Chili, and fish guano from Scandavavia. Not less important is the economic utilization of the detritus of public markets. In Paris, cesspool matters afford annually 7,000 tons of *pondrette*, and 3,000 tons of ammonical salts. At Amiens, fecal matters instead of charcoal for the base of its *pondrette*, has the chopped refuse of flax and hemp, velvet clippings, brewers' refuse straw, wool and leather waste, this mixture, when enriched with assimilative phosphates, sells well. Since years the debris of slaughter houses have been in much request in France, a dead animal ever enhanced the urine tank or the manure heap. But industry entered the list, and by its aid, the utilization of blood, flesh, horns, hoofs, hair, skins, etc., has become a speciality in France The firm Bourgeois, for example, contracts for the blood of the chief slaughter houses in this country, amounting to 13 millions of quarts annually, which employ 250 persons to work up into marketable products. The blood is dried by three processes, contains 13 per cent of nitrogen, and is mixed with superphosphates in various proportions. Another company forms the intestines, etc., of the killed beasts, and when manipulated this detritus is sold in three classes. The average number of animals daily killed in the city abattoirs is, 700 oxen, 150 cows, 30 bulls, 400 calves 6000 sheep, and 500 pigs.

MATERIAL FOR FERTILIZERS.

But as horns, hoofs, hair, skins, leather, etc., require 2 or 3 years to decompose in the soil, their reduction to a pulverable form is indispensable—hence torrefaction is resorted to. The preparation of bones has many various methods of application, but none particularly new. On the west coast of France, sardine, tunny, mackerel, etc., refuse with sea plants, are cooked after being previously drained, in large boilers, then pressed into cakes while hot, and ultimately dried and ground. The peculiarity about guano consists in its now being rarely employed otherwise than in a dissolved state, thus permitting of a fixed rate of nitrogen, 12 per cent generally, to be obtained; of late years much of the Peruvian guano imported had not more than 2 or 3 per cent of azate, and the farmer was invited to pay a uniform price all the same, by the Peruvian government. France does not manufacture either dissolved or pulverized guano, but supplies her demands from England and Germany. Farmers habituated to employ only farm yard manure, guano, etc. Viewed with suspicion the use of chemical manures the honor of destroying their prejudices under this head reverts to M. Georges Ville, only he rode his hobby to death, by prescribing doses of chemical fertilizers, compounded on the data of the ashes of cultivated plants, to restitute the salts carried away, just as if we were certain of the conditions of a soil's fertility. Strange not a manufacturer prepares artificial manures for the general market on M. Ville's principles. It is only in 1860 that Norway commenced to utilize the refuse of her herring, cod and mackerel fisheries, etc., having by pressure and steam, succeeded in depriving the refuse of the oil and glue, which proved insurmountable obstacles to the dissolution in the soil of the phosphates and agotised matters. Fish guano is now prepared along sea coasts in every part of the world, on an average it contains 667 per cent of organic nitrogen—rendering in this form the action of the manure more slow, certain, and generally useful—and 16 per cent. of phosphoric acid—but not in a state immediately soluble, hence the difference between it and ordinary guano, and the practical lesson, that it ought not to be employed as a top-dresser, but harrowed into the soil before the sowings.

THE PHYLLOXERA.

At last we appear to have something definite about the phylloxera, thanks to the International Committee, named at the Trocadero Congress, and presided over by M. Vimont. The Committee consisted of 25 members, six of whom were distinguished foreign vineyard proprietors, they have examined the question from the first appearance of the malady in 1869, in the department of the Herault, down to the present moment, they noted the chief cures attempted—3,000 were sent to the Minister of Agriculture to claim the governmental reward; and visited the suffering and ruined vineyardr The report states that the phylloxera was imported to Europe from America, and that the disease can be propagated by artificial transporting of plants, as well as by natural means—the wind chiefly. Stocks of American vines, as first revealed by M. Laliman of Bordeaux, can resist the bug, they flourish vigorously when the native vines die, the grafting does not in the least alter the delicate bouquet of the French grape, but all American stocks are not equally resisting, the Solonis, Clinton, Vialla or Franklin, and Taylor being the best. The plant when attacked at the root dies from inanition, hence, any insect destroyer, must be succeeded by a good manuring to give strength to the wounded plant, after farm yard manure, the next best fertilizer is dried blood, into sulphates of potash and iron and superphosphates. The only efficacious insecticide is sulphuret of carbon, as first employed, on the appearance of the disease, by Baron Thenard, and abandoned owing to its severe effects. The manner of employing this remedy is now better understood, two injection holes per square yard, suffice to inundate the soil to the depth of 11 inches with the poisonous vapors, and some apply the quantity in 3 doses, at intervals of 4, 6 and 10 days. Submerging the vines, drown the bugs, but the flooding ought only to take place in autumn after all vegetation has ceased. Then the vines can support 11 inches of water, from 30 to 50 days, to be followed in spring by liberal manuring.

Veterinary Surgon Felizet recommends a snow shoe for horses: cut a piece of leather or skin, to cover the sole of the foot, and after oiling it, fasfasten it under the shoe by the ordinary nails. This leather plate will protect the ball of the foot from cakes of snow.

[CONCLUDED].

BOURBARD'S "OIDIUM DESTROYER."

[We copy the following new plan for removing the Oidium from the Grape vine, invented by M. Bourbard, Esq., and published in the *Garden and Field*.—ED. F.]

This is one of those simple means of treating a pest which, if successful, will make nearly every one wonder it was not thought of at first; but if it should turn out a failure will make the same people remark upon the simplicity of the inventor—just as the courtiers are said to have done in the story of "Columbus and the egg." M. Bourbard seems to reason thus:—"Sulphur is the antidote for oidium, and the sulphur is applied as a powder to the affected vines at a great expenditure of labor and a considerable waste of sulphur. It is not the actual contact of the sulphur that causes the oidium to disappear, but it is the sulphureous fumes—or the odor—that is effectual. These fumes are generated only when the sulphur is subjected to a certain heat (say 120 deg.) but if the powder is applied to-day, it may be washed into the ground to-morrow, and its efficacy is lost, and the labor of puffing it over the vines is thrown away." So he makes a pan of a tambourine shape, but with the frame a little lower on one side than on the other. Over this a sheet of glass is placed, and the lower edge is set towards the north, so that the rays of the noonday sun can reach every part. On the eastern and western sides are apertures, and inside the pan, under the glass, is placed a dish containing sulphur and iron filings, or fine borings obtained from the machinery shops. All the work is made from black iron; and when the sun shines upon it, the heat is absorbed to such an extent that the sulphur becomes nearly melted, and the sulphureous gas escapes through the orifices in the sides of the outer pan into the air. It is calculated that about sixteen of these pans will be enough for an acre. If so, the pans could be shifted from place to place by a boy, and the sulphur can be made to last a very long time; for in this way there is scarcely any of it used, and none at all wasted. The whole of the labor at present thrown away in applying the flowers of sulphurs with bellows will be saved; and where a hundredweight of material was used before, an ounce will now serve the purpose more effectually—always provided that the Oidium-destroyer is a success. The whole affair is as simple as can be; and if it is successful—as we hope it will be—M. Bourbard should be presented with an address and a big purse of sovereigns.

THE IMMORTAL WASHINGTON.

PATRIOTISM AND DEVOTION.

DISBANDING THE ARMY IN 1783.

We reprint the following, believing it good to keep alive the feelings that actuated the Heroes of the Revolution. The lofty patriotism that actuated the "Father of his Country" to deeds of imperishable fame, and his devotion to that country, in all her interests, together with the love and affection that his example inspired in all who were around him—to these we attribute, as one of the great causes that led to and kept alive that willingness of spirit to become martyrs, in all the officers and soldiers in the revolution, under his command or influence.

We would ever hold up these examples to all—to officers and soldiers, whether military, civil, or judiciary. When such patriotism in defending and such devotedness in sustaining our institutions pervades the minds and hearts of our people, our country will be safe.

The revolution was over. Eight years' conflict had ceased, and the warriors were now to separate forever, turning their weapons into ploughshares, and their camps into workshops. The spectacle, though a sublime and gorgeous one was yet attended with sorrowful feelings; for, alas! in the remains of that gallant army of patriotic soldiers now about to disband without pay, without suppers, stalked poverty and disease. The country had not the means to be grateful.

The details of the condition of many of the officers and soldiers of that period, according to history and oral tradition, were melancholy in the extreme. Possessing no means of patrimonial inheritance to fall back upon—thrown out of even the perilous support of the soldier, at the commencement of winter, and hardly fit for any other duty than that of the camp—their situation can be better imagined than described.

A single instance, as a sample of the situation of some of the officers, as related of the conduct of Baron Steuben, may not be amiss. When the main body of the army was disbanded at Newburg, and the veteran soldiers were bidding a parting farewell to each other, Lt. Col. Cochran, an aged soldier of the New Hampshire line, remarked with tears in his eyes, as he shook hands with the Baron:

"For myself, I could stand it; but my wife and daughters are in the garret of that wretched tavern, and I have no means of removing them;"

"Come, come," said the Baron, "don't give way thus. I will pay my respects to Mrs. Cochran and her daughters."

When the good old soldier left them, their countenances were warm with gratitude—for he left there all he had.

In one of the Rhode Island regiments were several companies of black troops, who had served through the war, and their bravery and discipline were unsurpassed. The Baron observed one of these poor negroes on the wharf at Newburg, apparently in great distress.

"What is the matter, brother soldier?"

"Why, master Baron, I want a dollar to get home with, now the Congress has no further use for me."

The baron was absent for a few moments, and then returned with a silver dollar, which he had borrowed.

"There, it's all I could get. Take it."

The negro received it with joy, hailed a sloop which was passing down the river to New York, and as he reached the deck, took off his hat and said—

"God bless you, Master Baron!"

These are only single illustrations of the army at the close of the war. Indeed, Washington had this view at the close of his farewell address to the army at Rocky Hill, in November, 1783.

"And being now about to conclude these his last public orders, to take his ultimate leave in a short time of the military character, and to bid a final adieu to the armies he has so long had the honor to command, he can only again offer, in their behalf, his recommendations to their country, and his prayer to the God of armies.

"May ample justice be done them here, and may the choicest of heaven's favors, both here and hereafter, attend those who, under divine auspices, have secured innumerable blessings for others.

"With these wishes and this benediction, the Commander-in-Chief is about to retire from service. The curtain of separation will soon be drawn, and the military scenes to him will be closed forever.

The closing of the "military scenes" I am about to relate:

New York had been occupied by Washington on the 25th of November. A few days afterwards, he notified the President of Congress, which body was then in session at Anapolis, in Maryland—that as the war was now closed, he should consider it his duty to proceed thence and surrender to that body the commission which he had received from them seven years before.

The morning of the 5th of December, 1783, was a sad and heavy one to the remnant of the American army in the city of New York. The noon of that day was to witness the farewell of Washington—he was to bid adieu to his military comrades forever. The officers who had been with him in solemn council, the privates who had fought and bled in the "heavy fight," under his orders, were to hear his commands no longer. The manly form and dignified countenance of the "great captain" was henceforth to live in their memories.

As the hour of noon approached, the whole garrison, at the request of Washington himself was put in motion, and marched down Broad street to Francis's tavern, his head-quarters. He wished to take leave of private soldiers alike with officers, and bid them all adieu. His favorite light infantry were drawn up all in line, facing inwards, through Pearl street, at the foot of Whitehall, where a barge was in readiness to convey him to Powell's Hook.

Within the dining-room of the tavern were gathered the generals and the field officers to take their farewell. Assembled there were Knox, Green, Clinton, Steuben, Gates and others, who had served with him faithfully and truly in the tented field; but alas! where were others that had entered the war with him, seven years before! Their bones crumbled in the soil, from Canada to Georgia. Montgomery had yielded up his life at Quebec, Wooster fell at Danbury, Woodhull was barbarously murdered while a prisoner at the battle of Long Island, and Mercer fell mortally wounded at Princeton; the brave and chivalric Laurens, after displaying the most heroic courage in the trenches at Yorktown, died in a trifling skirmish in South Carolina; the brave but eccentric Lee was no longer living, and Putnam, like a helpless child, was stretched upon the bed of sickness. Indeed, the battle-field and time had thinned the ranks which entered with him on the conflict of Independence.

Washington entered the room—the hour of separation had come. As he raised his eye and glanced on the faces of those assembled, a tear coursed down his cheek, and his voice was tremulous as he saluted them. Nor was he alone. Men, "albeit unused to the melting mood," stood around him, whose hands, uplifted to cover their brows, told that the tears which they in vain attempted to conceal, bespoke the anguish they could not hide.

After a moment's conversation, Washington called for a glass of wine. It was brought to him. Turning to the officers, he thus addressed them:

"With a heart full of love and gratitude, I now take my final leave of you, and I most devoutly wish your latter days may be happy and prosperous as your former ones have been glorious and honorable." He then raised the glass to his lips, and added: "I cannot come to each of you and take my leave, but shall be glad if each of you will take me by the hand."

General Knox, who stood nearest, burst into tears, and advanced, incapable of utterance. Washington grasped him by the hand and embraced him. The officers came up successively, and took an affectionate leave. No words were spoken, but all was the "silent eloquence of tears." What were mere words at such a scene? Nothing. It was the feeling of the heart—thrilling though unspoken.

When the last officer had embraced him, Washington left the room, followed by his comrades, and passed through the line of light infantry; his step was slow and measured, his head uncovered, and tears flowing thick and fast, as he looked at the veterans to whom he now bade adieu forever. Shortly, an event occurred more touching than all the rest. A gigantic soldier, who had stood by his side at Trenton, stepped from the ranks, and extended his hand.

"Farewell, my beloved General!"

Washington grasped his hand, in convulsive emotion in both of his. All discipline was now at an end. The officers could not restrain the men, as they rushed forward to take Washington by the hand, and the violent sobs and tears of the soldiers told how deeply engraved upon their affections was the love of their commander.

At last, Washington reached the barge at Whitehall, and entered it. At the first stroke of the oar he rose, and, turning to the companions of his glory, by waving his hat, bade them a silent adieu. Their answer was only in tears; and the officers and men, with glistening eyes, watched the receding boat till the form of their noble commander was lost sight of in the distance.

The Peer of Peers Among Men.

THE FARMERS' GARDEN.

EARLY FROSTS AND GARDENERS' SKILL.

The severe frosts of this month will test gardeners' and their assistants' skill very much, where they are in charge of forcing-houses, stoves, &c.

If these frosts visited us in January, one half the skill would not be required in attending on fires, hot-water pipes, or in paying attention to the rise of mercury in thermometers. But coming on us at the close of the year, when plant rest has not at all been sufficient to restore the wasted frame of vegetable life after its active season of growth, if any reckless heating takes place in stove, vinery, or greenhouse, and Nature not as yet satisfied with her short repose, she will awaken with a rude shock, from which she will not recover during the next or following summer. The bloom on her cheek will fade quickly. Her's will be but a hectic blush, like the consumptive patient.

The conditions necessary to sustain plant life without injury during the frosts of mid-winter, in forcing-houses and stoves, should be learned by lengthened practice in these departments of gardening. For instance, let a greenhouse in which a lot of Camellias, Heaths, or other miscellaneous plants be overheated night after night, and day after day; then watch the destruction that follows, in the falling of Camellia buds by the hundred; the foliage of Azalea's failing also after having become a prey to thrip; Heaths suffering from the same causes. To meet the plants' wants watering becomes a necessity. The plants then are started into growth, without a corresponding amount of heat or light in our solar system. Pelargoniums and all such soft-wooded plants that require a good ripening or consolidation of their young growth before blooming, are irreparably weakened, and the blooms produced are both flimsy and weak, and they fall off at a touch, if subjected to unskillful heating to ward off frosts. Much better to allow the heat to fall during the night to within two degrees of freezing point, than attempt to get up the extravagant heat of 60 degs., before going to bed, in order not to be disturbed during the night with our greenhouses. In stoves and forcing-houses I have known the heat to be put up to 90 degs. before bedtime, for the same purpose, viz., to save from early rising. Now, such proceedings are most unworthy for young healthy gardeners to adopt. It is a sheer waste of means and ends in view, and should not be practiced on head gardeners, where confidence should be the rule. I am aware that such things are often thoughtlessly done, the assistants not knowing the injury they were doing; and, indeed, head gardeners should lecture their assistants well before blaming them. Young men should be informed of all the evils likely to ensue in over-heating plant houses at this time of year. It should be explained to them that any growths produced in the absence of a correspondingly strong sunlight and heat, is much the same as working a loom in the absence of the weaver. The fabric cannot be woven of a proper texture or fibre without the aid of the great weaver of vegetable fabric, viz., strong solar light and heat, to give strength, durability and elasticity to all blooming plants, and fruits, and flowers, unless we awake them slowly, and in a proper season, with, and under, the conditions that will ensure successful cultivation.

Therefore, in greenhouses the heat should not exceed 40 deg. with fire heat, with a rise of 10 to 15 degs. during sunheat, in those days and nights of frost, in stoves and vineries at work, if the heat is 50 degs. or even 45 degs. one hour or two before sunrise, it will be found to be the safest at which it should range. If the day appears at that hour to forshow to be both bright and sunny, no matter how hard or severe might be the nights' frost, it then becomes the duty of the man in charge of the fires and ranges to slack down immediately just as the sun rises, and do all in his power to prevent the sunheat and hotwater-pipe heat increasing in the houses at the same time. It must be so managed that the pipes must have time to cool down very considerably before the sun's rays get strong, and it can be arranged to a nicety by any person knowing the management of fires. Let me add that it is the most experienced man in a gardening or nursery establishment ought to be at all times in charge of the boilers with the assistance of a small boy to do as he is directed.

Need I state that a many fine lot of plants have been destroyed by inexperienced men jumping without the aid of good practice into the charge of large forcing or plant houses. Many imagine that it is charge of a steam engine they have got under control, and that the greater the fires they keep, the greater the pace they move with, and I regret to have to state, many gentlemen and ladies coincide in their views for a short time, but soon see with mortification the result. I have been repeatedly called to order, in establishments I served in, for not adopting the race engine style during winter, which was practiced near me, and suffered much in striving to obliterate false impressions regarding the weakening or strengthening of vegetable life under artificial culture, but in some cases the truths came home to late to the minds of my employers, who were not satisfied until they heated great numbers of their plants out of existence.

In the out-door department of gardening I consider that the frosts of this year will prove a great blessing in giving us abundant orchards, and in filling our gardens with small fruits to overflowing.—J. M. D. in *Irish Farmer*.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have GRAIN to sell and to keep.

Written for THE CALIFORNIA FARMER.

THE SLANDERER

We search the earth, the air, the sea,
Beast, bird and fish we scan,
And none are found so vile to be,
As the vile slanderer—man.

With heart so chilled and soul so dead,
No love for man or God;
This pest of earth, whom all should dread,
Too oft escapes the rod

Sometimes in friendship's garb he comes
To practice his deceit;
We warm the serpent in our homes
And mourn his sting, too late.

Again within the social round,
This venomed reptile goes;
A tender link is broken found,
And mourned in tears and woes.

Sometimes he ventures in the church
To lift his Hydra-head;
But faithful Truth will reach o'en such
And strike the monster dead.

Elliot.

ON WATERING.

There can be no doubt that the variable climate, sudden changes from heat to cold and cold to heat, as well as from comparative humidity to almost perfect dryness in the atmosphere must greatly affect the vital forces of all plants, and especially those plants bearing heavy crops either of flowers or of fruit. If any one will take the trouble to look at a garden, during or after a spell of hot weather, he will observe that the foliage is not only drooping, but that the leaves are soft, flabby, and wilted, instead of being crisp and full of sap; the flowers appear as if they had endured an evening in a ballroom; and the fruits refuse to hang any longer upon the branches that are unable to supply them with the necessary amount of nutriment to carry them to maturity. There can be little doubt that a check of this kind, by contracting or partially drying the channels through which the ascending sap is conducted, not only injures the plant for the present but for the future also, and to this cause may be attributed the stunted growth of many of our perennial plants as well as those of annual duration. It is more than probable that trees that have become "hide-bound" or "bark-bound," have contracted their malady through some sudden change in the temperature or from becoming partially dried up from the absence of the necessary amount of moisture in the soil. In such cases there is only one cure—for no amount of watering will restore a tree that has become partially dried up in the bark—technically known as "bark-bound"—and that is to score the stem and limbs throughout their whole length with the point of a sharp knife, cutting through the outer envelope or bark which is choking the channels by its contraction. After doing this, if the soil is dug over, a thorough soaking given to it, and a mulching—or shading of the soil—with old stable manure, dead leaves, grass, or other substances spread over the land, the trees or shrubs will immediately revive, and put on a luxuriance which would never have occurred without that treatment. In a large measure the effect of cultivation is to render life of plants subject to the care or nursing of man, and if neglected or left altogether to their own resources they either die out completely or deteriorate to such an extent as to be scarcely recognizable. Human care will very materially alter the character, the habit, and even the nature of plants—as many familiar instances will testify—and this care is essentially necessary if it is wished to keep on improving, or even to maintain the standard of perfection reached. One of the chief points in which care is required is in supplying the plants with water according to their nature, and according to their periods of growth. Some plants require an almost unlimited supply of fluid at times when they are "making their growth," and an almost total absence of watering when that period has passed, and when they are going down to rest. Others want an almost continuous supply, whilst a few are very impatient of excess of moisture or of extreme dryness—with these it is difficult to maintain the happy medium between the two extremes. It may be looked upon as the almost invariable rule that plants grown in the open borders—(such as culinary vegetables and fruit-trees)—in this climate get an insufficient supply of moisture during the period when they most require it—that is, when maturing their product of leaves, or of roots, bulbs, or tubers, or of fruit. It is a generally acknowledged principle that the produce of pulp, or what not, is greatly increased by a liberal supply of water—especially if supplemented with liquid manure at this period in the growth, but there is generally such an amount of work on hand and so few people to do it at this time of the year that everything has to be performed in a perfunctory manner, the result being that an inferior product is yielded, the value of which, in commerce, would probably be less than half of that which would have been produced if a sufficient amount of labor had been devoted to it.

If these deductions are correct the obvious conclusion must be that it would pay to devise some means by which water could be supplied at pleasure to the plants requiring it. The first cost of pipes and adequets, of wells or dams, of pumps and horse-works or of steam engines would, no doubt, be very large; but in an extensive market garden, such as will ultimately be formed in the neighborhood of each large centre of population, the first cost, divided into a series of years, will be found to be but a tithe of what the inefficient power of manual labor would amount to.

GOATS.

GOATS AS AN INDUSTRIAL PRODUCT—THEIR VALUE AND USES.

From the day that Jacob passed passed through the flocks of Laban and removed therefrom all the speckled and spotted among the goats (along the centuries) until the present time, the keeping and rearing of goats has been a source of profit and industry, intimately and practically associated with man, and in some Asiatic countries still contributing to his requirements more than sheep. The pastoral life seems yet to be the favored occupation of the dwellers in Canaan, for the territory upon which the flocks of the ancient Patriarchs were fed and kept is still the home of shepherds and goatherds.

The delicacy, however, which exists among people in this country and Europe with regard to the use of goat's flesh or even that of kids, but who will nevertheless from long established custom partake of swine's flesh with a relish, is in striking contrast with the commands of the great Jewish Lawgiver to his people. By their laws goats were regarded as clean beasts, esteemed choice food, and in their peace and other offerings, kids were considered equally as efficacious as lambs for particular sacrifices.

A custom or prejudice which stand as a barrier against the use of goat's flesh in these days of want and suffering should be set aside. The wilds of Europe and America unfit for the pasturage of cattle and sheep have been in numerous instances practically demonstrated as inviting and well adapted to the culture of goats; immense numbers of which could be raised and want and suffering relieved at trifling expense.

The spectacle of the nomadic tribes of Asia deriving a support (in great part for themselves) from the culture of goats on their bare and unfertile hills and mountains, whilst the poor in the large and crowded cities of England and America are suffering and helpless.

Although both countries possess capital and wild lands in abundance, it is certainly a subject worthy the attention of the respective governments and particularly the capitalists and philanthrophists of each.

In other countries besides those of Asia, goats are a source of wealth and industry. The mountainous and barren parts of the Sandwhich Islands afford an illustration of the truth of these statements.

Immense numbers of goats are raised annually in these islands. A gentleman with whom the writer has had an instructive correspondence who is a resident of South Kona, in the island of Hawaii, the largest of the group, writes in answer to questions on goat raising.

"I breed goats for their skins in the most mountainous and barren parts of the country and have some six thousand of them. I drive out every three months and kill off all males above nine months old and old females. I kill between three and four thousand a year, and the flocks keep increasing."

This is only one of the many similar industries on the island. Here we have the example of a government which in the days of Captain Cook was a barbaric one, but which will favorably compare at present with many civilized ones as regards the wisdom of their rulers and the intelligence and prosperity of the people, giving the use and control of large tracts of waste and almost worthless lands to enterprising individuals who have established successful sheep and goat ranches (or stations as they are called) in different sections on the islands, thus enriching the country by their liberality. Its wilds and wastes becoming utilized—the flock owners successful and prospering. The natives also reaping immediate benefit from the establishment and success of these stations, having abundance of wholesome meat furnished them at more nominal prices, which brings it within the reach of all.

Contrast this with the existing state of things in our midst, 500,000 acres of waste but fertile lands lying dormant, as regards cultivation and useless as regards any benefit being derived from their surface products unless for the maintenance of a few wild animals (deer, foxes and rabbits). And this too, on Long Island, in the neighborhood of two large cities, which contain thousands of poor, suffering, and idle people, whom neither government, State, or national capitalists, or philanthrophists have devised measures, started industries, or devised means of intelligently assisting and utilizing their labors so as to enable them permanently or continually to help themselves, the only true and philosophic solution of the difficulty. If we reflect of the disadvantages under which poor people manage to keep goats on Manhattan Island, where space is limited and the laws in regard to keeping goats is very stringent. And yet we observe great numbers of them in the upper parts of the city, kept and raised annually for milk, meat and other purposes, such as draught animals for which they are both convenient and useful, their skins particularly those of kids are always in demand and bring remunerating prices.

We may, therefore, readily perceive what advantages are offered for their culture on Long Island and the inducements which exist for individuals to raise common goats for any of the above mentioned purposes.

Every benefit derived from the keeping of common coats, applies to Angoras, with the important and additional one that the wool or mohair fleeces of the latter is a valuable commercial or staple article. The demand for which is largely in excess of the supplies produced at present in this country.

JOHN HENDERSON.

Change of Seed.

One of the surest means of securing choice Grain of all kinds and we might add with truth almost every variety of product raised from seed, is to procure new seed from other sections of the world every few years, change of soil and climate with seed when carefully practiced, is certain to produce an increase of quantity and an improvement in quality, it is very essential that Seed of any kind should not be continued year after year raised from the soil and planted as it is termed "in and in," a change is necessary to insure success.

WHAT MAINE FARMERS ARE DOING

Mr. Robert A. Barnard, of Brighton, is engaged in an enterprise that he feels confident will result not only profitably to himself, but may be the means of becoming an important industry for the State. Mr. Barnard is a native of Brighton, but has been for many years engaged in sheep raising in California. There he owned a large ranch, but was necessarily deprived of the society and companionship that belong to well-settled States. He came home the last of June, and found all the requisites for the location of a large sheep farm near his old home. He proposes to establish a large ranch—large for this State—in Brighton, and has already imported some 280 fine Leicester sheep, and expects soon to increase his flock to 500 animals. These Leicester sheep are white faced, no horns, and clip from 8 to 13 pounds of wool from 10 to 15 inches long, of a fine texture. They come to early maturity, are very hardy, make large sheep, and are excellent mutton. Some of Mr. Barnard's lambs, five and a half months old, weighs 150 pounds, and much of his mutton will dress 25 pounds to the quarter. It will be noted that our steamers are now taking great quantities of sheep to Europe for mutton. Last winter at least 1500 sheep were exported! And Mr. Barnard sees no reason why Maine should not supply England with large quantities in the future. The wool is available for the large number of woolen mills throughout the State. Again, nice mutton has always been a scarcity in our markets, and there seems to be no reason why we should not have as good as our neighbors in Prince Edward's Island.—*Portland Press.*

The Nation's Prosperity.

By the statements and reports from the Bureau of Statistics, the following grand results are shown.

That for the year of 1878, the exports of our country exceed the imports by $250,000,000, in round numbers.

Our principal export as stated by Government reports are

Breadstuffs	$110 000,000
Cotton and its manufactures	120,000,000
Tobacco and its manufactures	120,000,000
Woods, lumber, timber, etc	25,000,000
Sugar	6,000 000
Provisions of all kinds as beef, pork, lard, hams, etc	90,000,000
Oils, of all kinds	50,000,000
Leather	7,500,000
Machinery, hardware cutlery, etc.	12,000,000
Tallow	6,000,000
Furs, and fur skins	4,000,000
Coals, (to Newcastle)	2,000,000
Flax seed and other seeds	2,500,000
Total of products named	$445,000,000

These are the leading articles and all were formerly imported from Europe more or less—and all our combined exports for 1878 amounted to over $550,000,000.

Cow-Milkers in New Zealand.

Mr. John Lambie, a New Zealand subscriber, sends an account of his experience with cow-milkers: "Some eight years ago I saw an advertisement in an Ayrshire paper, setting forth the merits of the milkers; so I wrote to Mr. John Drummond, of cheese-making celebrity, in Ayrshire, in reference to it. He sent us 2 or 3 sets, and I gave them a very careful and patient trial, extending over two years. The result of my experience is that the milkers (I refer to the "silver tubes") will never prove entirely satisfactory. Although used with the greatest care, the teats of some cows become inflamed and swollen. It varied in effect with the degree of coarseness in the animal. Fine-skinned cows were easily irritated, while coarse and thick-skinned animals were not affected, except by a decreased flow of milk from the continual use of the tubes. The inside of the teat would appear to be of such delicate structure, that no foreign substance, however skillfully formed, can possibly be introduced without producing irritation. I noticed some cases where, after the irritation had subsided, the inside of the teat appeared callous and hard, as if nature was making an effort to accomodate herself to the altered circumstance; this was also accompanied by a less flow of milk. That the milkers are useful in case of an accident to the teat when it would be impossible to squeeze it by hand, I can personally vouch for."—*American Agriculturist.*

Parsnips contain about twice as much dry matter or real food as turnips, and this of a superior quality. Carrots, again, contain about as much dry substance as mangolds, but are richer in sugar and better feeding quality.

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Next to the system of rotation in crops, the most important discovery yet made in Agriculture. Without any outlay of money, an increase of from 20 to 50 per cent. can be obtained in the crop of MARKETABLE

POTATOES

Proved by two years' experience. Costs nothing but time during Winter or early Spring to prepare the seed. Full directions sent for $1, payable after trial, at maturity of crop. ISAIAH T. OLIVER, Quakertown, Bucks Co., Pa.

49:3

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We invite Dairymen who desire a valuable "Dairy Breeding Calendar," containing very valuable items of great value to them, to call and examine the article named above—it is of but little expense, yet of great value.

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Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March:

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory-filled salt; therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, and for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams; and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"

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—AND—

EAGLE PAPER MILLS.

48:19

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IN SHEEP.

S. H. KENNEDY'S

NON POISONOUS

SHEEP DIP!

Manufactured by

S. H KENNEDY, Omaha, Nebraska, eradicates the pest. This is the only dip that adds to the staple and value of the wool. It will cure the most obstinate cases—diluted 150 parts hot water, and will not cost A CENT A HEAD each dipping. Packed in ONE and FIVE GALLON TIN CANS.

Dip Scabby Sheep in the Early Spring and Summer as that is the time to eradicate the disease from the skin. Fall and Winter dipping will not cure the Scab, it only holds the disease in check, in the Fall and Winter months, the insect that causes the Scab is forcing his way so deep into the true skin that he cannot be reached or destroyed, while in the early Spring the insect comes to the surface of the skin and is easily eradicated by one or two dippings in my Sheep Dip.

Price per Gallon:

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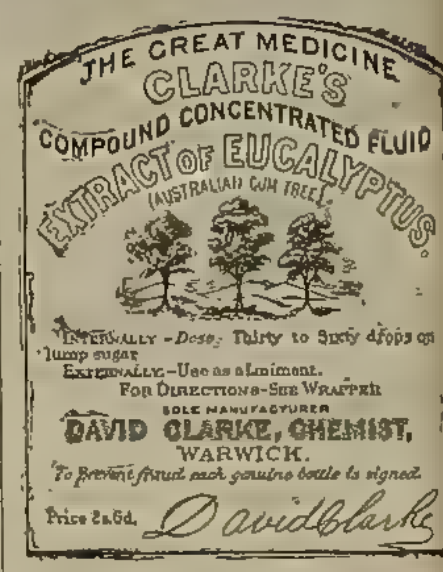

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Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

GARDENERS IN AMERICA.

An English gardener who has spent many years in the United States, thus gives his experience, "as regards the life of a gardener on such a place, I would say that after it is laid out, seldom more than one man is kept, and he has to look after a horse, milk a cow, see to his garden, and make himself generally useful. If he is single he can obtain from twenty-five to forty dollars a month with board and lodging; a married man may obtain from sixty to a hundred dollars, and sometimes his rent free. A man in a place of this kind can always find plenty to do. For a man who has done nothing but work in a gentleman's garden in England, to have to look after a horse and milk a cow may appear *infra dig.*, but if he goes out there, such is his work. Before I went to America I served two years' apprenticeship at one of the largest places in Warwickshire, and received eight to ten shillings a week wages and bothy; afterwards obtained a situation as journeyman at fifteen shillings a week; another at seventeen shillings as foreman. It cost me from ten shillings to twelve shillings a week to live out of that, and like a good many more, could not save much, so I became dissatisfied. I could see I should have to throw all my young days away until I could obtain a situation as head gardener, for a man is not considered capable of holding such unless he is forty years of age. I once wrote a letter about the places gardeners had to live in, known as the bothy. I did this when an apprentice, and some head gardener replied I was a dissatisfied. He was right; I was dissatisfied, although I was fond of gardening. I at last resolved to go to America with what little money I had saved, and a little borrowed. I went; I obtained a situation as gardener to be generally useful. I had twenty-five dollars a month, all found. Afterwards undertook to lay out places, this plan being the first I ever undertook on my own responsibility. It was about five miles from the City of Chicago, State of Illinois. I made thirty-five dollars a month, board and all found. The question is, did I or did I not better my seven shilling? Such is the life of a gardener in the far West. Why did I not learn some other trade? Simply because gardening is my whole study, and I am always happy when engaged in garden work."—*Irish Farmer.*

BLISTERED PEACH LEAVES.

This is a most troublesome disease, chiefly, though not wholly, confined to the leaves, for it has been found on young shoots as well. It is often associated with mildew and aphides, and both have been held by some to produce, if not aggravate, this curious and most injurious disease. It may be said to utterly destroy the vital function of every leaf which it affects to any serious extent. The mid rib and main veins of the leaves become swollen and distorted, like a limb affected by gout, and a part or whole of the tissue and substance of the leaf is converted into irregular wart-like masses of great thickness and considerable brittleness. The malformation is most peculiar, and during its process the leaf often turns and rolls itself into the most singular and fantastic forms. The function of the blistered leaf is utterly destroyed. There can be little doubt that the cause of blistering is sudden and severe cold after growth has fairly begun and is proceeding with considerable vigor. And just as frost and fire have analogous effects on our own flesh, so are cold and also heat held to blister peach leaves in this way. As this blistering mostly follows on the heels of spring frosts, it can hardly be doubted that cold is the cause. Some cultivators, however, no doubt; and if, as they contend, blistering can be prevented by a winter dressing—of which nux vomica, tobacco juice, sulphur, and soap are the chief ingredients—this goes far to justify their opinion; one, however, which it must be added, I cannot endorse from experience. The best preventive, says the writer of the above in *Country*, to blistering is careful spring protection by some of the means described in a previous chapter. Cure there is none. The leaves should be picked off and burned, to make sure of destroying the germs of mildew and nests of aphides that are found in the curled and twisted leaves, and the trees be encouraged to make fresh leaves by overhead sprinklings, top dressings, &c. Mildew is very apt to accompany or follow blister or curl; therefore, it may be wise to top dress with sulphur as soon as the blistered leaves are picked off.—*Irish Farmer.*

THE RURAL NEW-YORKER.

TO OUR SUBSCRIBERS.

We offer to our readers THE CALIFORNIA FARMER and the *Rural New-Yorker* together for only $6 00 per year. Those availing themselves of this offer will be entitled, upon application, to receive with the *Rural New-Yorker* an assortment of new farm, garden and flower seeds, equaling in value the price of that paper. These seeds are all of new varieties, many of them originating on the Rural Experimental Farm. By sending orders to THE CALIFORNIA FARMER office immediately, they will send both papers at the price named, and a full description of the seeds offered with illustrations of the plants. We recommend our readers to secure these valuable and practical papers and premiums.

VICK'S ILLUSTRATED MONTHLY MAGAZINE

Each Number contains THIRTY-TWO PAGES of reading, many fine Wood Cut Illustrations, and one COLORED PLATE. A beautiful Garden Magazine, printed on elegant paper, and full of information. In English and German. Price, $1.25 a year; Five copies $5.00.

Vick's Flower and Vegetable Garden, 50 cents in paper covers; in elegant cloth covers $1.00.

Vick's Catalogue,—300 Illustrations, only 2 cents.

Address, JAMES VICK, Rochester, N. Y.

Felix Gillet's Nursery

NEVADA CITY, CAL.

I offer for sale trees of the following varieties of fruit introduced by me in California, and most all on in full bearing on my grounds, viz

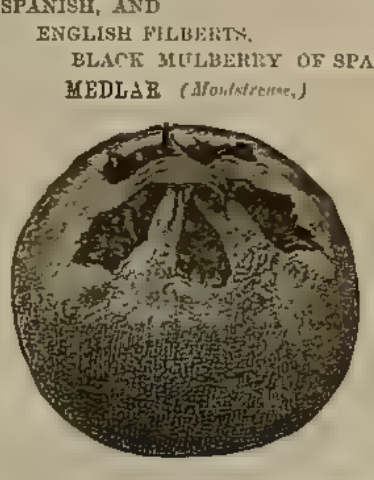
PRŒPARTURIENS WALNUT,

The most precocious of all soft shell varieties of Walnut bearing even when three years old, hardly never frost bitten, a late bloomer, and very productive. First bearing tree in California—at Felix Gillet's Nursery, Nevada City. Fourth crop, 1878.

One Year and Three Year Old Trees for Sale.

One Year Old Trees sent by Mail, at Catalogue Prices, in two feet long packages, Roots 12 inches, Stalk 12 inches.

LATE OR SEROTINA WALNUT,
AFTER SAINT JOHN WALNUT,
MARRON DE LYON CHESTNUT,
MARRON COMBALE CHESTNUT,
ITALIAN,
SPANISH, AND
ENGLISH FILBERTS.
BLACK MULBERRY OF SPAIN.
MEDLAR (*Monstreuse.*)



The largest of all Medlars, standard trees, budded on the White Thorn five to six feet high and ready to bear.

Also, over one hundred varieties of Fruit Trees of all kinds, many of them introduced in California by the undersigned.

Forty varieties of Strawberries, (French, English and American), with full description in Catalogue of 17 varieties carefully selected from 64 varieties cultivated on my place these last nine years.

Send for Descriptive Catalogue and Price List.

FELIX GILLET, Proprietor.
49:24

SPLENDID
WEEPING TREES.

It may not be known generally that by the aid of science, all the finest kinds of our DECIDUOUS TREES, used for Ornamenting Grounds can now be had grown in the beautiful pendant form, graceful as the Weeping Willow.

The following, of very extra size and form, can now be had for planting this Autumn.

The WEEPING BEECH, MAPLE, BIRCH, ASH, ELM, POPLAR and LINDEN these are the most beautiful Ornamental Trees known, adding grace and beauty to the surroundings of every home and increasing the value of every estate where they are planted.

The plates and drawing, showing these trees in their growing condition, can be seen and these trees secured on applying to

Warren & Co.,
320 CLAY STREET, S. F.

SANTA CLARA VALLEY

Nurseries.

ESTABLISHED 1853.

Trees---Plants--Shrubs.

I OFFER FOR SALE THIS SEASON A LARGE AND well assorted stock of Fruit Trees, Shade Trees, Evergreens, and Shrubs; also, Palms, Camellias, Azaleas, Japan Persimmons, Roses and Greenhouse Plants in great variety.

PEAR SEEDLINGS, fine	$15.00 per 1000
ROSES, in variety, fine	15.00 per 100
JAPAN PERSIMMON, 5 varieties	25.00 " "
MAGNOLIA, grandiflora, 6x10 in.	18.00 " "
LAURISTINUS, 6x10 in	10.00 " "
CHINESE MAGNOLIAS, 2 ft.	8.00 per doz.

Special inducements to large purchasers.

Catalogues free on application.

BERNARD S. FOX, Proprietor,
San Jose, Cal.

Thomas Meherin, Agent,
516 Battery Street,
SAN FRANCISCO.
49:34 3m

VEGETABLE AND FLOWER SEEDS
WE SELL EVERYTHING FOR THE
GARDEN
Descriptive Catalogues of 175 pages sent Free
PETER HENDERSON & CO.
35 Cortlandt St., New York.
FLOWER AND FRUIT PLANTS
SEEDS PLANTS

49:1

THE DINGEE & CONARD CO'S
BEAUTIFUL EVER-BLOOMING
ROSES

We deliver STRONG POT ROSES for Winter Bloom and Fall Planting, *safely by mail*, at all post-offices. Five Splendid Varieties, *your choice*, all labeled, for $1; 12 for $2; 19 for $3; 20 for $4; 35 for $5; 75 for $10; 100 for $13. Send for our New Guide to Rose Culture, and *choose from over 500 Finest Sorts.* Our Great Specialty is growing and distributing Roses.
THE DINGEE & CONARD CO.,
Rose-Growers, WEST GROVE, CHESTER Co., Pa.

48:18 6t

WARD'S

Fertilizer Company!

ANDREW H. WARD, Treasurer,

OFFICE: 246 Washington Street, Boston.

P. O. BOX, 3,456.

—DEALERS IN—

Agricultural Chemicals and Minerals.

—MANUFACTURERS OF—

WARD'S SEED PREPARATION.

Prevents Smut and Rust and will increase the Grain, Corn and Cotton Crops twenty-five per cent, and is applicable to all other seeds. Sufficient for one Acre sent by Mail for 50 cents.

WARD'S PREPARATION FOR POTATOES.

Increase the Yield and Prevents the Rot. Sufficient for one bushel Seed sent by Mail for 25 cents.

WARD'S FERTILIZER FOR HOUSE PLANTS
(Concentrated.)

Odorless. Enough for One Hundred Plants sent by Mail for 10 cents.

WARD'S INSECTICIDE.

(Not Poisonous.)

For the destruction of Insects and Vermin on Plants Fowls and Animals. Enough to make Four Gallons sent by Mail for 25 cents.

All the above most valuable preparations can now be found Wholesale and Retail at the

California Farmer Office,
320 Clay Street,
SAN FRANCISCO.

Warren & Co.,
SOLE AGENTS
FOR CALIFORNIA.

25 STYLES OF CARDS, with name in gold, 10 cts. J. B. HUSTED, Nassau, N. Y. 47:14 1y

My annual Catalogue of Vegetable and Flower Seed for 1879, rich in engravings, will be ready in January, and sent FREE, to all who apply. Customers of last season need not write for it. I offer one of the largest collections of vegetable seed ever sent out by any seed house in America, a large portion of which were grown on my six seed farms. *Printed directions for cultivation on each package.* All seed warranted to be both fresh and true to name; so far, that should it prove otherwise, *I will refill the order gratis.* The original introducer of the Hubbard Squash, Phinney's Melon, Marblehead Cabbages, Mexican Corn, and scores of other vegetables, I invite the patronage of *all who are anxious to have their seed directly from the grower, fresh, true, and of the very best strain.* New Vegetables a specialty.

45:21 12t JAMES J. H. GREGORY, Marblehead, Mass.

CHOICE

Vegetable and Flower
SEEDS

GROWN FOR PRIVATE FAMILIES, OUR MOTTO I

"TEST IS BETTER THAN TALK."

GARDEN MANUAL, full of valuable articles on growing vegetables, useful hints to lovers of flowers, with price list, sent free to all applicants. Address

J. B. ROOT, SEED GROWER,
48:24 ROCKFORD, ILL.

PEARL MILLET
(THE NEW FODDER PLANT.)
Yields 100 tons green—15 tons dry per acre.
60c. per pint (by mail, postpaid).
$1.00 " quart " "
By express, buyer to pay charges, $5 per peck.
Statement of our experiments with it, and instructions for culture, free on application.
PETER HENDERSON & CO.
35 CORTLANDT ST., NEW YORK.

JOHN SAUL'S
Catalogue of New, Rare and Beautiful Plants

Will be ready in February, with a colored plate. Many new and beautiful plants are offered, among Draccenas, Crotons, and other fine foliage plants, with a rich collection of Greenhouse and Hot-house plants; Bedding Plants; new and choice Roses; Dahlias, etc. Well grown and at low prices Free to all my customers, to others 10c. A plain copy free.

JOHN SAUL, Washington, D. C.
49:2 eot

Evergreens & Forest Trees.

AT RETAIL TO FARMERS AND PLANTER AT
WHOLESALE PRICES.

LARGE STOCK, GREATEST VARIETY, CHEAPEST AND BEST

Send Stamp for Price List.
GEORGE PINNEY,
49:1 Sturgeon Bay, Wis.

FRUIT AND ORNAMENTAL TREES
Large Stock. Low Rates.
STANDARD PEAR TREES A SPECIALTY.
Send stamp for Trade List. AGENTS WANTED.
E. MOODY & SONS, LOCKPORT, N. Y.
NIAGARA NURSERIES. Established 1839. 45:14

FARMS, RANCHES
—AND—
LANDED ESTATES FOR SALE.

Now that we have so many settlers of the BETTER-CLASS coming to our State, those who have

Lands, Ranches, Farms,
—AND—
IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms and Libraries in the United States.

Advertisers will be wise that consult our columns.

WARREN & CO.,
CALIFORNIA FARMER OFFICE.

Florida Orange Trees.

However fine our own rich and delicious Oranges are, it is admitted that the the "FLORIDA ORANGE" is one of the most delicious fruits, known the world over—clean and fine in form, thin skinned, and very delicious in its flavor.

Those who desire to enjoy this beautiful fruit, can secure a few trees of this kind just received from Florida.

Price of Trees, $1.75 and $2.50.

Apply at, or send to THE CALIFORNIA FARMER OFFICE 320 Clay Street, San Francisco, California.

U can make money faster at work for us than at anything else. Capital not required; we will start you. $1 per day at home made by the industrious. Men, women, boys and girls wanted everywhere to work for us. Now is the time. Costly outfit and terms free. Address, TRUE & Co., Augusta, Maine. 47:52

PULLMAN HOTEL DINING CARS

THESE CELEBRATED HOTEL CARS ARE NOW
RUN OVER THE
Chicago and Northwestern Railroad
BETWEEN
COUNCIL BLUFFS AND CHICAGO

No other road now runs or has ever run

Pullman Hotel Cars,
PULLMAN DINING CARS,

Or any other form of hotel, dining or restaurant cars
THROUGH
BETWEEN OMAHA AND CHICAGO.

Do not be deceived by the false representations of t agents of other lines who tell you they have hotel cars their lines west of Chicago. It is not true. No road west Chicago has them except

THE CHICAGO AND NORTHWESTERN.

PASSENGERS for Chicago, Niagara Falls, Pittsburg Philadelphia, Montreal, Quebec, New York Boston, or any any point East,

Should Buy their Trans-continental Tickets
—BY THE—

Pullman Hotel Car Line.

Close connections are made at Chicago with the Lake Shore & Michigan Southern, Michigan Central, Baltimore & Ohio, Pittsburg, Ft. Wayne & Chicago, Kankakee Line and Pan-Handles routes, for all points EAST and SOUTH-EAST.

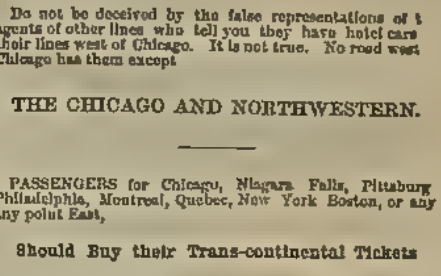
This road can give you CHOICE of ALL ROUTES from Chicago to the East. It allows its patrons to select the route they may think best. Determine the route you would like to travel over beyond Chicago, and we will be glad to sell you THROUGH TICKETS by it.

Passengers will find Tickets via this Favorite Route at the ticket office of the Central Pacific Railroad, Sacramento.

Tickets for sale in all the ticket offices of the Central Pacific Railroad.

W. H. STENNETT.....General Passenger Agent
MARVIN HUGHITT.....General Manager

H. P. STANWOOD, General Agent,
No 2 New Montgomery Street, San Francisco.
47:11



SPLENDID
Bulbs for Autumn Planting.

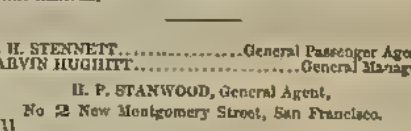
Collection of the choicest of BULBOUS ROOTS can be had with descriptions of varieties and plates of flowers.

Now is the time to prepare the ground and plant all BULBOUS and TUBEROUS ROOTS in California.

These GEMS planted now will come into bloom at Christmas and New Years.

Orders for supply can be filled by the large or small quantities at

Warren & Co.,
320 CLAY STREET, S. F.



CARDEN GROUNDS LAID OUT

THOSE WHO WISH THEIR GARDEN GROUNDS RENewed and replanted, or those who desire to have Grounds Designed and laid out upon scientific principles, and with correct taste and skill, as

Adapted to this Climate,

Can have this work done to their satisfaction by calling at this Office, where all the best works on Gardening can be found, and where the various styles, both European and American can be seen. Grounds of any extent, from

ONE THOUSAND ACRES

To small gardens in our City, will be designed and laid out and the Trees, Plants, Shrubs, Vines and Bulbs all supplied of the very best variety and reliable quality, and the work done to complete satisfaction, by calling at the Office of THE CALIFORNIA FARMER.

None but educated men engaged in such work.

Address WARREN & CO.,
FARMER OFFICE.

TO INVENTORS AND MECHANICS.

Patents and how to obtain them. Pamphlet of 68 pages free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 31,
48:10 tf *Washington, D. C.*

Good Cure for Hard Times

A PLANTATION OF EARLY PROLIFIC and RELIANCE RASPBERRIES.

100,000 Plants for sale; also 200,000 Cinderella and Centennial Strawberry Plants. Millions of other Plants, Trees, etc. Everything new, novel, and rare. Prices low. Send for Descriptive Circular to GIBSON & BENNETT, Nurserymen and Fruit Growers, Woodbury, N. J.

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, FEB. 20, 1879.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marble Building—Up Stairs.

FARMER HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms, Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, TWO DOLLARS for five lines or less of space in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half these rates. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,

PUBLISHERS CALIFORNIA FARMER,

San Francisco Cal.

Editor's Chair.

We offer valuable history of Washington as our best Tribute to his memory, for his Birth Day near at hand.

Home.—We give a choice lot of "Poetical Gems" in our Poets' Column this week on Home Page.

"Yosemite Valley."—We give a very admirable and beautifully descriptive Letter from Yosemite Valley, from our highly esteemed friend, Galen Clark, Esq., the early Pioneer of that wondrous Valley, whom we well remember more than twenty years ago in our own early trips there, our readers we know will be delighted with this Letter, of which this is the beginning of a series from the same gifted writer.

"The Mother's Love," "Social Life" "Facts about the human Body," "Nature—Spring Time," "Health Dress," "Living in France," "A Woman's Glove," all on Home Page (22) will interest.

We ask attention to the excellent Letter of our esteemed Correspondent "Ajax," on "Home Influence."

Miscellany.—"A Rebuke to Common Swearers," a brief poem we hope will help awaken reflections among those guilty of this singular and useless habit.

"A Bird in a Balloon," a very interesting fact, is worthy of note, "The Panharmonicon," with some items on same Page from an old paper will interest.

Horticulture.—"Gardeners in America," and "Blistered Peach Leaves" we have selected from our Irish friend, who teaches us good lessons on gardening necessities—our Cotemporary sends us many good things.

Agriculture.—The "Slanderer" let all who are given to the criminal habit of *speaking evil of their neighbors* read the brief Poem on this Page of the *Slanderer*.

"On Watering," a most excellent essay that all should read, it came to us in the *Garden and the Field*, "What the Maine farmers are doing," "The Nation's Prosperity," "Cow Milkers of New Zealand," all of interest.

"Goats" a sketch of these highly valuable animals, the Letter we publish was sent us as one of the Prize Essays before the American Institute of New York

The number of Goats in this State now count by the *Tens of Thousands*, but it needs a union of interests among the growers to make prosperity.

Our Front Page.—Our Paris Letter comes to us now regularly in 17 or 19 days from Paris, via England, quite quick time, the present Letter contains very interesting news upon soil fertilizers and the Phylloxera.

The "Farmers' Garden" will furnish valuable hints to all cultivators.

"Bourbard's Oidium Destroyer," on Front Page should be read by vine growers.

Music.—*To-Night* is the emphatic title of a piece of very choice Music just sent out by M. Gray, Esq., the Music Publishers, 117 Post St., where this Piece and a host more of choice Music can be had.

To-Night is dedicated to "Lillie Phillips Hutchinson" of the Hutchinson Family, the words by Emily Lillian Whitney, music by D. S. Hawks, the music arranged for a Duett, the Song and Music both beautiful, and will become a popular piece.

New Books.—Peterson's ever rushing mill of Literature sends us a goodly parcel of new light literature of an interesting and pleasant kind, of which we shall soon report at length.

"Philomene's Marriages," "Pretty little Countess Zina," "Amours of Phillippe," "Bessie's Six Lovers."

These works are now having a very large sale.

Harper's Monthly.—This great Monthly for January and February have come to us very greatly improved this year in quality and style of publication, the paper of superior fineness, the Illustrations the very highest style, many like steel engravings.

THE SEASON AND CROPS.

Who can ask or pray for a better prospect or a more lovely season than the present opens up to the view of our farmers and cultivators generally on this coast. It is true the season has been a cold one till the present month had reached near the middle of it—but this check to a forward growth was a blessing for the earth, giving all nature a longer rest, that it may make a more stately growth, and give to our farmers grander results, as will most assuredly be the case the present year.

We know there has been lots of grumbling against "Dame Nature" about the seasons, the drouth, the cold weather, price of grain, etc., but our farmers are so accustomed to grumbling that people get accustomed to it, and don't mind it, because grumbling won't bring rain or sunshine, but often does bring a storm of most unhappy feelings—but the rains have come, and so have the sunny and growing weather, we clip from a letter the following apt truth.

A correspondent from Contra Costa writes:—"Another soaking rain allays the croaking of many a clodhopper, but this habit is so imbued by the occupation, and so many slips between the cup and the lip, this moulds natural grumblers, and this glorious rain will sweeten us all."

From every section of our State we have the most cheering news of the growing crops—the same old story too that "Grain don't pay to grow," and yet every year the same parties will plant more than ever before—we suppose this is to make up for not planting enough before.

We shall commence a capital story in our next issue of a "Successful Farmer," and we hope all unsuccessful farmers will give it a careful reading, and so learn the grand secret of "How to make a farm pay."

ATTEND TO YOUR GARDENS.

The rains of long continuance will always leave the surface of our garden grounds in the Spring in a hard soggy condition, and when the warm sun comes out people are too apt to commence to dig up the soil while it is too wet, and thus do a great injury to the soil.

No garden grounds should be touched until after a sufficient time has elapsed to have the saturated soil drained well and the soil in such a condition that it will when spaded crumble up mellow, when wet land is spaded it tends to bake hard again, the soil where there is no drainage may be benefitted by a rough digging at first, leaving it in ridges to drain, and afterwards, after days of draining, give it a fine deep careful culture, such good work will pay well.

There is plenty of early garden work to be attended to before the spading is done; all the roses should be carefully pruned, all climbing plants thinned, shortened and tied up, all herbaceous plants that need dividing should be attended to and the divisions removed, offsets of all kinds taken away to a plant bed for future use, by doing this work before spading up the ground, a person saves the trampling down of the newly cultivated soil, and the necessity of doing the work twice over.

Many nice young seedling plants will be found in every garden, these should be taken up before the ground is spaded and removed to plant beds to grow a little, and then transplanted again where most need.

By care and good attention in these matters by deeply and finely cultivating the soil, giving it every season good fertilizers to renew its strength, any person can have a garden that will not only repay all cost and labor, but will be a credit to their care and a pleasurable reward for all their pains.

Strawberries on our House Tops.

Every family that love this goodly fruit can raise their own, if they will but give a little time to the culture of this luxury.

Many an apple box that is so readily converted into fire wood, can be filled with the rich scrapings of the street, and first boring a few holes in the bottom of the box for draining, they can plant six good plants in each box, filling the box two-thirds full of earth and then carefully planting the vines, spreading the roots of each vine star like, so as to allow them to bud upon the soil.

One dozen boxes of this kind upon the roof or balcony of a house, would give a luxurious dish often to a family, and from the new kinds of strawberries with proper care we believe every person can raise specimens of this fruit that would astonish every grower, the new kinds now offered are said to produce fruit from 8 to 12 inches in circumference. Those that feel interested in this system of culture, if they will call at the Farmer office we will lead them to a very successful experiment of this plan, where this fruit is now in bloom, giving great promise of paying well for all care and trouble.

Dull Times in San Francisco.

We feel we are safe in saying that we think the business men will record the statement that the *month* of January has been the most quiet and dull month for trade, in all departments of business that has been experienced for the last ten or even twenty years—those that doubt it can turn to their Ledgers, figures tell, *some* persons may have been fortunate ones—but the mass of business men have had a passive time, and want no more of it.

The reason why—responds—and tells this truth—too many business houses and traders for the trade that is done—this is proved by the closing up of so many stores and dwellings—and the *Big Placards of selling off at half price* and the fact that there are over three thousand stores and dwellings marked To Let

Prof. Tice, the distinguished meteorologist and weather prophet of St. Louis, has issued his *Annual National Weather Almanac for 1879*, in which, besides foretelling the weather for every day in the year and clearly explaining the theory on which his predictions are based, he gives a history, causes and effects of tornadoes—a chapter on lightning rods, exposes their general worthlessness, and explains how they may be made effective, etc. The whole is of great interest and practical value to every one, and especially indispensable to farmers. For sample copy and terms of sale to the trade and to agents, send 20 cents to Thompson, Tice & Co., Publishers, St. Louis, Mo.

GEN. GEORGE WASHINGTON.

In a valuable Volume in our own Library we have the *Fac simile* of the accounts of Gen. George Washington (as he kept them with his own hand) while he was Commander of the Armies of the United States from 1775 to 1783.

These accounts so correctly kept and so conscientiously minute and explanatory of everything between himself and his Government, make these "Records of the Past" a precious relic of the "Father of his Country."

We select the closing entry in his work as an example to all public men to induce them to become imitators of this Great Exemplar.

His Volume of accounts run over a period of 8 years, giving every data complete, and showing at the close that the Government was *indebted* to Gen. Washington on the 1st July, 1783, the sum of £1972. 9s. 4d. a sum equivalent to Ten Thousand Dollars.

We place these last entries before our readers with the particulars, and with Gen. Washington's full explanation, this Record we feel sure will gratify our patrons as we are now about to celebrate the Birth Day of him of whom it can be truthfully said:

> The noblest man of the noblest age,
> The scholar, statesman, patriot, sage;
> Ages to come shall speak his worth,
> And link his name with freedom's birth.

The following note explanatory is of great moment:

1783. The United States with George Washington Debtor.

July 1.	To balance brot from folio 50	£620 8 4
	To Interest of £509 10s. 11., being the balance due me Dec. 31, 1776. The amount having been applied to public uses in the preceding year from whence to wit, July 1, 1775, I charge interest at 6 per cent per annum	253
	To Mrs. Washington's traveling expenses in coming to and returning to my Winter Quarters, per account rendered. The money to defray which being taken from my private purse, and brought with her from Virginia	1061 1 0
	Total	£1972 9 4

"Altho' I kept memoirs of these expenditures I did not introduce them into my public accounts as they occurred—the reason was, it appeared at first view, in the commencement of them, to have the complexion of a private charge—I hail my doubts therefore of the propriety of making it—But the peculiar circumstances attending my command, and the embarrassed situation of our public affairs which obliged me (to the no small detriment of my private interest) to postpone the visit every year contemplated to make my family between the close of one Campaign and the opening of another—and as this expense was incidental thereto, in consequence of my self-denial, I have, as of right I think I ought, upon due consideration adjudged the charge as just with respect to the public as it is convenient with respect to myself; and I make it with less reluctance as I find upon the final adjustment of these accounts, (which have as will appear, been long unsettled) that I am a considerable loser—my disbursements having run a good deal short of my receipts, and the money I had upon hand of my own—for besides the sum I carried with me to Cambridge in 1775 (and which exceeded the aforementioned bill of £599 19s. 11d.) I received monies afterwards on private accounts, in 1777 and since, which except small sums that I had occasion now and then to apply to private uses, were all expended in the public service—and thro' hurry, I suppose, and the perplexity of business (for I know not how else to account for the deficiency) I have omitted to charge—while every debit against *me* is here credited.

July 1st, 1783. G. Washington.

GOV. LELAND STANFORD.

It is a source of very great satisfaction to the people of this Coast to learn as they now do, that the health of Gov. Stanford has been so much improved that in a few days he will again attend to the important duties of his most responsible position as the Head of all the great Railroads of our State and Coast.

While we pay due deference to all our public men in all the varied interests of our State, it is not too much to say that we know of no occasion when there has been a sympathy and interest so wide felt and so true and sincere for the health of any citizen as has been felt for Gov. Stanford while he has been an invalid, for all know how great and important were his responsibilities and services in promoting the great Enterprises that have built up our State, and made it a wonder to the world; to no living man more credit and honor is due than to Gov. Leland Stanford, and this is clearly proved by the deep interest and solicitude felt for his health and restoration, which now is a source of general sincere rejoicing and pleasure.

Nevada, the Independent.

It is reported that the State of Nevada is free of debt, and has $700,000 in her treasury, this looks like a well managed and goodly governed State—but we should have in mind that the "Bonanza Mines" are there, and they pay a heavy tax, and it is these rich mines that have made the State treasury full, even if the mining speculations have made many poor,—we must have evil with the good. Nevada, however, with such a showing is the richest State in our Union.

Beautiful Song.—"Somebody's coming when the dew drops fall," this is the name of a truly beautiful and handsomely illustrated song sent out by S. Brainard & Sons, of Cleveland, Ohio—words by J. C. May.

COLD WEATHER EAST.

Mr. Prowers has lost seven thoroughbred bulls within a few days. They were at his ranch east of here, and did not want for food. He is at a loss to account for their death, otherwise than for the cold weather.

Sam T. Smith reports cattle doing well in the canons of the Purgatoire and other streams south. On the hillside facing the south there is but little snow and stock can find feed in abundance. On the level plains north of the Arkansas the case is quite different. There is very little exposed surface, and cattle are wandering about for food and finding but little. They have begun crossing the river at various points.

The snow continues on the ground, with no signs of giving away. Its depth here is about five inches and pretty well packed. It is reported to be twelve to fifteen inches along the Divide. Losses of sheep in that region will doubtless be considerable, though no definite idea of their extent is obtainable at present. This we learn from Mr. Kenyon, of Colorado Springs. The snow is in every direction extending three hundred miles south. The Rio Grande is frozen over at Albuquerque. It is thought there cannot be much improvement under two weeks. Cattle on south side of the river, on the water courses and among the cedars, are doing fairly, but the immense herds from the north, congregated on the north side, are suffering bitterly. They have mostly disappeared from the plains opposite this place, having moved eastward—lowing piteously as they went. It is estimated by Mr. Hopkins, of Granada, that ten thousand head have crossed the Kansas line, and are now between Syracuse and Lakin. Should they get on the burnt district lying south of this, there will be immense losses from starvation. The river is still frozen solid, and would afford them easy crossing. Measures should certainly be taken to turn them back.—*Las Animas Leader.*

COLD WEATHER IN LONDON.

Novel scene on the Thames. The river Thames this afternoon presents a novel sight, and one which too plainly testifies to the severity of the weather. A moving mass of huge white blocks of ice are floating up, almost entirely stopping navigation. The river steamboat traffic is suspended; but barges manage, by the help of steamtugs, to float up in the middle of the stream. It is probable that when the masses of ice reach the narrower parts of the river a complete block will be witnessed, and a very few hours of the present severe frost would suffice to congeal the floating masses, and bridge the Thames at those parts with thick rough ice from shore to shore. It is just ten years ago since the Thames was last frozen over.

In course of the day large blocks of ice piled up on the shore side of the landing stage at Blackfriars-bridge, and canted it over to such an alarming extent, that it was deemed advisable to disconnect the barge from the piers and embankment and tow it up to where it now lies moored in the middle of the stream.—*London Globe, January 10th.*

Our Pioneer Woolen Mills.

We have a valuable history of the first efforts for establishing the business of Woolen Manufactories on this Coast, and the men who pioneered this great work.

It was Donald McLenan who first inaugurated the sorting and packing Wool for shipment to the East, and it was Donald McLenan who made the first movement for a "Woolen Mill" and aided in sending Col. Turner East to purchase the machinery for the "Pioneer Woolen Mills" at "Black Point," Mr. McLenan being elected the Manager of that Mill, the first on our Coast, and it was Mr. McLenan that also pioneered and greatly aided in establishing the "Mission Woolen Mills" with which the first was also united in interest, and it is but an act of justice to a most earnest and energetic worker for this great interest that we thus speak, for we feel that great credit and honor is due to Mr. McLenan, who is now Manager of the present Mills, for the great work he has done for our State.

The Horse's Foot.

No hoof, no foot, no horse.

A great deal has been said and written about the *Horse's foot* and it is a pretty well established fact that the Horse would not *stand* long without a good foot.

It is therefore of the utmost moment that the Horses foot needs the utmost care and attention, every little ail in the foot may lead to such serious evils as to unfit the horse to travel or labor, a little care at the first sign of trouble in a horse's foot may save great evil to this noble animal, and perhaps save the horse also.

The numerous diseases to horse's feet of scratches, mange, burns, scalds and all bruises or injuries to the foot by nails or gravel, or under the frog or shoe, need immediate care, and to remove all pains, inflammation or injury of any kind, there is no remedy superior or *equal* to "Gilhaw's Hoof and Healing Ointment," see the special qualities of it, as stated in the Advertisement, by Main & Winchester—on our outside Page.

Live Stock Sales.

We would call the special attention of all who have Live Stock of any kind, Horses, Cattle, Sheep or Swine, or those who desire to purchase Stock, to look at the card of Messrs. J. G. Rogers & Co., of the Stock Yards corner 9th and Market streets.

We have known Mr. Rogers for many years as a Horse Breeder and an experienced man among Stock, and those who have Stock for sale will find these Yards admirably arranged to receive and care for Stock, and in the purchase or sale of Stock we can commend this Firm as men that will attend to all duties confided to them.

Seedling Potatoes.—The "Beauty of Hebron" is a new white potato of very superior character, just now offered by Thorburn & Co., of New York, we have just received a sample and think it an extraordinary kind and worthy special care—we shall plant and try our sample and believe we can produce a potato worth its weight in diamonds.

Home Correspondence.

Written for The California Farmer.

HOME INFLUENCE.

A great deal has been written on this subject, "Home Influence," but the theme is inexhaustable, and presents new features with the advancing age; and, as new material springs into life, where the benefits of past written articles may not be felt, it is therefore well to keep the sentiments and teachings involved before the eyes of parents, that they may from time to time, be reminded of the importance of home culture, in the education of the youths of both sexes.

From infancy the child is observing, as it learns to walk, and talk, so it imitates every movement and action of the life going on about it, and these impressions become indelibly fixed upon their minds, and no matter what the after training may be, the early "Home Influence" cannot be entirely obliterated. The quiet, orderly home; where commands are given quietly but decisively, where order and neatness prevail, where servants respect and obey, and where the dinner table is made the place for pleasant converse, of a light, jovial character, and in which even the children are allowed to join.

The pleasant sitting room, common property of parents and children alike, where business cares are forgotten, unpleasant subjects and idle disputes thrown aside, all are met together for amusement and enjoyment, and in such a home as this, children brought up under such influences, cannot but acquire principles which will be of inestimable value to them in after life.

Amuse these little ones whose destinies are in your hands, join in their games, and as they grow older take an interest in their studies, making them a pleasure rather than an irksome task, and they will soon see that their presence is needed in the home circle, and there they will remain rather than romp the street, where disease is contracted, and idle companionships formed. Children do not usually run the streets at night from choice, it comes of neglect; they are starving for want of sympathy and love, and turn to the street, hoping to find it there. The little ones have appreciative hearts, and with them a kind look, or word of sympathy, are grains of gold, to be treasured up, bright spots in their lives, never to be forgotten, causing eyes to moisten at the mention of "Home, sweet Home," recalling happy, joyous scenes at the pleasant fireside, with the kind father ever ready to read, play and romp; the loving mother, whose advice was never sought in vain, whose promises were always fulfilled and whose hands never tired working for her children.

It is in the power of every parent, rich and poor alike, be they dweller in grand mansion or humble cottage, to make a happy home for their children; and it is their duty to do so, no matter what self denial they may have to make. It is not going to do for them to imagine that because they clothe and feed their children that here their duty ends; there is a higher and nobler work for them to perform, and it is this very Home Influence which if exerted in the right direction will accomplish all they desire. Pushing children aside with, don't bother me! some other time! as the answer to their simple requests, will not do. If you wish your children to honor and respect you, first win their love, and it can be done through kindness, little acts of love, trifles to you, but to them everything. Read to them, tell them stories, and make them feel that they have a place in your heart. And above all things their questions, the thousand and one questions, which all children ask, and to which they should have practical, satisfactory answers.

Children have rights, and parents are bound to respect them, and when they come to you, with one of their puzzling questions, give them honest answers, go into details, and give them reasons for everything and children will soon learn to think and reason for themselves.

Parents! think this matter over, and, those of you, who are driving your children out of doors by neglect, commence this very hour, before it is too late, and strive to endear them to their homes by making their lives one continual sunshine, so that in after years when battling with life and its trials, they can turn with gratitude and love, honoring the memory of the parents, who strove to make life happy and its burdens light, through "Home Influence." Ajax.

Land Plaster---for Clover.

Our *Haymakers* should bear in mind constantly the value of *land plaster* for their grass lands, and especially their *Clover fields*, there is no one fertilizer for *Clover* that is so truly beneficial to this particular species of grass as *Ground Gypsum*, or as it is called Land Plaster.

Liebig, the distinguished Essayist on agriculture wrote much in favor of *Gypsum* for Clover as the great fertilizer for Clover fields, and those who are now raising the *Alfalfa* should by all means use this excellent article to enrich and increase their Clover crop.

Vermont Sheep.—We have the handsome bound Volume of the "Vermont Sheep Breeders' Association" which gives a complete history of all the famed Merino Sheep of this wonderful Sheep Breeding State, this Book is the Register and history of all the distinguished Sheep Breeders of that State, the sources whence all famous Sheep came from, with Pedigree of all Sheep, number of flocks, Clips, etc., we return thanks to Albert Chapman, Esq., for his courtesy in sending us this handsome and valuable work.

Catalogues.—A mountain pile of new and handsome Catalogues of Nurserymen, Seedsmen and Manufactures, all waiting notice and notoriety, send along your Advertisements, Gents, then you shall have *especial* attention and notice that shall pay you well.

Among the handsome Catalogues received are those of Thorburn & Co., Peter Henderson & Co., Dingee & Conrad, the famed Rose growers, Hoopes Brothers and Thomas, Bliss & Sons and many more—of the best we shall soon speak.

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Five Stories High, 45 x 200.

CLOCKS! CLOCKS!

Every clock that leaves our salesroom, has been thoroughly run and tested, and is warranted, if properly used, to be a good time piece. Following are the price of a few of the many styles we keep.—

Young America—A 30 hour time-piece with porcelain dial..... $1.00
The Exhibition—Ansonia 30 hour movement, walnut case, 10½ inches high..... 1.25
The Economy—Black or nickle plate, 30 hour time-piece..... 2.00
The Gem—Same as above with alarm..... 2.50
The Bijou—(See cut) Nickle plated case patent lever, stem winder..... 2.50
The Chief—Metal case, marble finish, gilt lined..... 3.00

PEEP O' DAY, ALARM, $3 50.

This has the loudest and longest alarm of any clock made, is fitted with Ansonia Co.'s best movement, screwed pillars, strong plates, silver plated, and requires only one winding for the time and alarm—will go in any position.

The Jupiter—One day striker, patent self-adjusting pendulum, 15 inches high..... $5.00
The Roman—Eight day striker, patent self-adjusting pendulum, 21 inches high..... 7.50

Over 50 other styles on hand.

FANCY GOODS.

Photographic Albums	$ .50 to $ 50
Autograph and Scrap Albums	25 " 5
Japanese Ware—Full assortment	.25 " 10
Writing Desks—Fitted	.75 " 20
Work and Jewel Boxes	50 " 15
Glove, Handkerchief, Collar and Cuff Boxes	1.00 " 13
Fashionable Fans	25 " 15
Fire Gilt and Velvet Frames	.25 " 8
Bohemian Glass Vases—Per pair	.75 " 30
Leather Purses—Extra value	.05 " 10
Smokers' Sets—5 pieces	1.00 " 5
Glass and Fancy Wine Sets—8 pieces	1.00 " 15
Decorated and Bohemian Toilet Sets—3 pieces	.75 " 25
Leather Cigar Cases	25 " 10
Bronze Inkstands and Ornaments	.50 " 50
Opera Glasses—Selected	2.50 " 20
Hand Mirror	25 " 4
Dressing and Traveling Cases	1.00 " 40
Shopping Bags—Red, black or fancy leathers	.50 " 10
Baby Carriages—A specialty	5.50 " 50
Musical Boxes—Best Geneva makes	2.00 " 250
Pocket Knives—Reliable makes	25 " 5
Stereoscopes	.75 " 5
Flower Stands and Walnut Tables	1.00 " 10
Chromos—New subjects	.05 " 50

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"Monarch of the West," "Star of the West," "Both Boyden," "President Wilder," "Great American," "Crescent Seedling," "Duchess," "Prouty's Seedling," "Duncan," "Kerr's Prolific," "Miners' Great Prolific," "Continental," "Cinderella" "Cumberland Triumph," "President Lincoln," and all the best and most promising varieties of STRAWBERRIES.

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The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

☞Full Directions for Use Accompany every Box.

—ALSO—

CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

(AUSTRALIAN GUM TREE).

THERE is no tree known to science that presents so many valuable properties as the various species of the Australian Eucalypti. As many as one hundred and fifty varieties of this invaluable tree have been discovered. No timbers in the world can compare with those of Australia; for purposes requiring great strength, combined with great durability, they are unapproachable. Owing to an essential volatile oil that exudes from the foliage, epidemic rarely exists in Australia. The entire species are more or less medicinal. Yet after many experiments, I have found that some of the species, most useless as far as their timber is concerned, are of the greatest value as medicine plants.

In the bark bush the gum leaf has often to answer the purposes of the entire medicine chest.

During the past six years I have been experimenting on the various species of the Australian Gum—the roots, the bark, the gum, and the leaves—with great care.

I have found that the gum that exudes from some of the species cannot be excelled for some purposes.

For Rheumatism, Neuralgia, Gout, Sciatica, or any affection of the Nervous System, it appears to be almost a specific, giving immediate and permanent relief. For resolving the attack of Fever and Ague, it is marvelous. It is equally valuable in all diseases of the Liver.

It is essentially necessary during an attack of any of these diseases that the bowels be freely evacuated by a dose of four to six of the "Liver and Bilious Pills" previous to taking the Fluid Extract, and a small dose of the Pills every night will greatly assist the action of the Fluid Extract. For Rheumatism, Sciatica, Gout, Neuralgia, or pains in any portion of the body or limbs, the part affected should be freely bathed with the "Concentrated Fluid Extract."

For Dysentry and Diarrhœa it supersedes all other medicines known. For ordinary cuts, or slight bruises, one application generally suffices.

For Colic, Pains in the Stomach or Bowels, a single dose generally gives relief before five minutes. In bad cases a dose may be taken every half-hour, or hour, till relieved.

TESTIMONIALS.

The manufacturer of these Pills has a great objection to the "wholesale" publication of testimonials, which in many cases are fictitious, and are only intended to mislead. Yet, for the satisfaction of those who are suffering, and have not yet used his medicines, he selects a few, who are best known in the colony and in the town he lives, and their *personal testimony* will satisfy the most sceptical.

These testimonials above named with many from California, since their recent introduction, will quickly show that the

Eucalyptus Remedials

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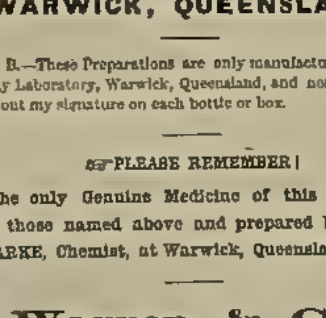

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We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ——, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {Truman W. Fish, Edwin B. Fish, Jno. C. Hodgkin,} FISH BROS. & CO.

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An Iron-Gray Stallion, 6 years old, 16 hands high, weight 1200 pounds; untrained, can trot close to 2:40; sound, kind and gentle; "Messenger" stock.

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One Black Stallion, 8 years old, 16 hands high, weight 1250 pounds; has a record of 2:38; sound, kind and gentle.

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A Bay, thoroughbred, Mare, 6 years old; sired by "Lodi," dam, "Mary O'Neil;" has a record of 1:44½.

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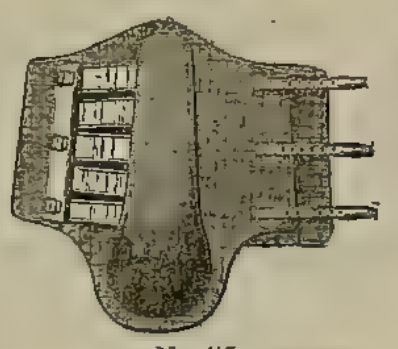

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This old established and well known hotel has been entirely renovated and furnished in the very best style, making it equal in point of comfort to any on the Pacific Coast.

The Table is supplied with the choicest the market affords.

The Culinary Department is presided over by one of the best cooks in the State.

A Corps of Efficient Waiters has been engaged, and families making the ORMSBY HOUSE their home or stopping place, can be sure of the most prompt attention to their wants.

Headquarters for Horsemen and for the stage lines to Bodie, Aurora, or all points south.

Wells, Fargo & Co.'s Express and Banking Establishment and Western Union Telegraph Co.'s office on the same block.

Conveyances to and from the railroad and any other part of town constantly in attendance.

FREE I will send free a magnificent Piano or Cabinet Organ, with handsome Instruction Book, boxed and shipped on board cars, all freight paid. I am the largest establishment of this kind on the continent. New Pianos, $125. New Organs, $65 and upwards. Beware of imitators. DANIEL F. BEATTY, Washington, N. J.

THE

New Zealand Insurance Co

FIRE AND MARINE.

Organized 1859.

Capital, $5,000,000.

With Unlimited Liability of Stockholders.

Capital	$5,000,000
Capital—paid up	1,000,000
Assets	2,019,812
Re-Insurance Reserve	847,635
All Other Liabilities	203,759
Surplus for Policy-holders	1,229,032
Premiums received to May 31, 1878	7,095,633
Losses Paid to Date	4,248,907
U. S. Bonds deposited in Oregon	50,000

UNDERWRITE, THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandise, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

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47:12

VALUABLE

FARMS FOR SALE.

Valuable Farms in the sunny lands of San Diego County.

Those families who desire to leave the cold wintry region of the north and come to a better climate—are invited to the following Farms we offer at good bargains:—

One Farm of 1,500 acres, undivided, can have a great chance to buy this Farm.

One of 320 acres, of rich land of the very best soil, running water, and generally low land, capable of growing any crop wanted, a portion fenced, with fruit trees and vines now bearing.

One Farm of 100 acres of most excellent soil, capable of raising all Tropical Fruits in the greatest luxuriance.

All these Farms are in the Bee-region—and suitable for this interest—all sold on easy terms. For particulars address

STEINER, KLAUBER & CO.,

San Diego City, Cal. 49:2

Or CALIFORNIA FARMER Office, 320 Clay Street.

LAND PLASTER.

THE GREAT FERTILIZER.

This most excellent material for all Clovers and Grasses, can now be had of the undersigned at the low price of

$12.50 per Ton.

Also—Building Plaster, Casting Plaster, and Terra Alba.

For Sale by

LUCAS & COMPANY,

215 and 217 MAIN STREET,

Bet. Howard and Folsom,

49:2 San Francisco.

BEAUTIFUL FLOWERS IN A GREEN-HOUSE AT YOUR DOOR!

We will send free by mail, and guarantee their safe arrival in Good Condition, our choice

12	ROSES, Imported	$1
20	VERBENAS	1
10	Basket or Bedding Plants	1
10	GERANIUMS	1
10	CARNATIONS	1
10	Tuberoses, all Pearl, large and double	1
12	Gladioli, all Flowering Bulbs	1
2	Camellia Japonicas and 2 Azaleas	1
Hundreds of others—	NEW AND RARE!	
CHEAP, and many		

For your choice of varieties, see our 80-page Catalogue; free by mail. We also offer an immense stock of Fruit and Ornamental Trees, Evergreens, Small Fruits, Seeds, etc. Catalogue with Colored Plate, 10c.

6	Hardy Flowering Shrubs	1
10	Currant Bushes	1
25	Raspberry Plants	1
50	Strawberry Plants	1
8	Grape Vines	1
50	Sweet Chestnut or 50 Catalpa Trees, 2 yrs.	1

25th Year. 75 Greenhouses; 400 Acres.

STORRS, HARRISON & CO., Painesville, Ohio.

49:1 4t

NEW TOOTH POWDER!

The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath.

DAVID CLARKE'S

Eucalyptus Tooth Powder,

The BEST EVER COMPOUNDED and destined to supersede all others.

WARREN & CO., SOLE AGENTS,

320 CLAY STREET, S. F.

☞S. M. PETTENGILL & Co., 37 Park Row New York, 10 State Street, Boston, and 701 Chestnut Street, Philadelphia, are our Agents for SUBSCRIPTIONS to THE CALIFORNIA FARMER in the above cities, and also our AUTHORIZED AGENTS to contract for ADVERTISING at our lowest rates.

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Newspapers for Packing

A LARGE lot of good country newspapers in good order for packing up goods, can be had at reasonable rates, in lots of *One to Five Thousand.*

For Sale at FARMER OFFICE,

320 Clay St., San Francisco.

Home Miscellany.

"There is no place like home.
Home! It should be Heaven on Earth

A Valentine.

Lines inscribed in the little volume "Garland of Thoughts" and sent as a Valentine by Avio.

Accept, dear friend, this little token,
This "Garland of Thought," by others spoken,
And may I not hope as this token I give
In the bright magic circle of friendship to live;
Kind friends here on earth are from God surely given,
Angel visits below, they are angels in Heaven.

MY HUMBLE, BUT BEAUTIFUL HOME.

Oh, give me, when day is declining,
And sunshine is flooding the west,
My ivy-clad mound, where reclining,
I can watch the birds seeking their rest,
And listen to their twitter of sorrow,
Whilst through the dew-breezes they roam,
To nestle and dream of to-morrow,
In my humble, but beautiful home.

Then give me, when moonlight is shedding
Its brightness o'er flowret and tree,
And stars like an army are treading
To nature's own music so free.
And then let me pensively wander—
Beneath the dark cedar trees roam,
And there on its loveliness ponder,
In my humble, but beautiful home.

When morn the gray orient is sheeling
With purple and vermilion hue,
And myriads of insects are greeting
First rays of the sun bursting through;
Then let me gaze out without measure,
Whilst vapors like shocted ghosts roam,
With a heart filled with innocent pleasure,
In my humble, but beautiful home.

You may tell me of fame and ambition,
Of pomp and wealth's dazzling array,
Of those who are high in position
And homage receive every day;
But give me the one I love dearest,
Away from me never to roam,
Then thou like an Eden appearest,
My humble, but beautifuln ome.

DREAMLAND.

The following poem by Dr. John M. Matthews, the eminent Phrenologist, we take from his book entitled "Magnetism the Life Principle, and Hygiene the Promoter of Health." A book which everybody should read.

We all have a fair little world of our own
A sacred retreat that we dwell in alone;
Not the dearest of friends or the nearest of kin
Are ever invited to enter therein.

If fate treats us harshly, or fortune 's unkind,
If clouds of despondency darken the mind,
Or cares vex the spirit, we turn for a time
To the soothing delight of this ideal clime.

The child growing tired of playmates and toys,
The youth feeling sated with pleasure's wild joys,
The world-weary man, sick of turmoil and strife—
All find in this realm new hope and new life.

No bleak winds of winter invade this retreat;
No frost chills its flowers, ever fadeless and sweet;
For its skies bend in shadowless beauty above,
And its airs are as soft as the whispers of love.

No wild disappointment, no sin and no care,
Ever come to us here, bringing tears and despair;
But ambitions most lofty and wishes most dear
Seem always attained in this magical sphere.

Oh, beautiful dreamland, sweet realm of the soul,
Lying safe and secure beyond sorrow's control!
Art thou foretaste and type of that shadowless shore
We all hope to reach when life's sad voyage is o'er?

THE END.

The course of the weariest river
Ends in the great, gray sea;
The acorn, forever and ever,
Strives upward to the tree.
The rainbow, the sky adorning,
Shines promise through the storm;
The glimmer of coming morning
Through midnight gloom will form.
By time all knots are riven,
Complex although they be,
And peace will at last be given,
Dear one, both to you and me

Then, though the path may be dreary,
Look onward to the goal;
Though the heart and head be weary,
Let faith inspire the soul,
Seek the right, though the wrong be tempting!
Speak truth at any cost;
Vain is all weak exempting
When once the gem is lost.
Let strong hand and keen eye be ready
For plain and ambushed foes;
Thought earnest and hands steady
Bear boat unto the close.

The heavy clouds may be raining,
But with evening come the light;
Through the dark are low winds complaining,
Yet the sunshine gilds the height;
And love has its hidden treasure
For the patient and the poor;
And time gives his fullest measure
To the workers who endure;
And the Word that no jar has shaken
Has the future pledge supplied;
For we know that when we "awaken"
We shall be "satisfied."

Wanted.

One of the arrows that Cupid shot.
A man to awaken the sleepers of a railway car.
A hat for the head of a nail.
A wick from the lamp of life.
A key to fit an elephant's trunk.
A splinter from a sunbeam.
A train of cars to run on the branch of a tree.
A pie made from the fruits of matrimony.

To every man as sure as fate,
To keep his daily business straight,
And give his work a proper date,
The almanac doth now dictate—
Not to forget till 'tis too late,
To curl that seven into eight.

Home Correspondence.

YOSEMITE VALLEY, ITS WONDROUS BEAUTIES.

YOSEMITE VALLEY, January 28, 1878.

COL. WARREN—*Dear Sir:*

THE WINTER STORMS.

After long delay the storms of winter have come upon us in good earnest. The old storm king of the Sierra Nevadas after blowing upon us a few fearful chilling blasts, like the blasts of "Euroclydon," which threatened to wreck everything here in the valley, has rallied his slumbering forces from their whitened icy tents, and craggy caverns within the great rocky battlements of the high sierras, and has been pelting and showering upon us snow, hail, rain and again snow, until we have the appearance of being near the arctic regions; we have now about two feet of snow. The Valley looks most sublimely grand in her immaculate winter robes. The trees are loaded to their utmost capacity with snow and ice, and look most superb in their chilling beauty. The branches of the deciduous trees look like gigantic sprays of coral and crystal. The Pines, Cedars and Firs, adorned with snowy lacework, overlying and mixed with the emerald color of their foliage look enchanting in the contrast of colors. The smaller trees might be taken for nymphs and fairies dressed in costume for a grand masquerade.

THE MIGHTY FALLS.

The waterfalls have again been replenished, and the falling torrent, adorned with rocket like forms, and folds of lace like waves, rivals the virgin snow in purity and whiteness. In summer the lights and shadows on the walls of the valley bring out wonderful fancied pictures, which are strangely real in appearance. And now the snow and ice lying upon every projecting cliff, and irregular ledge of rocks, brings out many new and fantastic figures. The walls of the valley seem to be embossed on a gigantic scale with various fancied forms of architecture, grotesque figures, and quaint pictures, such as outlines of buildings, faces, profiles, forms of animals, gargyles, scroll work and ornamental designs "ad infinitum."

THE ICE AVALANCHES.

The snow and ice accumulates about the falls, cascades and walls of the valley in large masses, until unable longer to adhere, it cleaves off and falls with a crashing, thundering noise, which reverberates around the Valley from side to side, and cliff to cliff, awakening the slumbering echoes from all the different points and rocky chambers, which send back their synchorous response, and in their seeming jolly glee, shake down lesser avalanches to prolong the resounding chorus. The higher top walls of the Valley are to-day hid in the clouds, and waving curtains and folds of fog float low down around the Valley, sometimes illumed by a few stray sunbeams to an irridescent glow. Altogether Yosemite is most exceedingly interesting in its winter scenery.

FAMILIES IN VALLEY.

Everybody living here this winter has been well so far, there are twenty-five persons altogether, three of them women, and twelve children. We have neither doctors, lawyers or preachers here to make us think of sickness, legal contests, or fear of a great tyrant of a God. Each one does his own praying; privately or silently his prayer rises up out of this grandest of God's earthly temples, to the throne of Infinite Mercy and Love, like incense from an altar. And we have faith that such prayers are not in parliamentary language either ordered laid upon the table, or a response indefinitely postponed.

There are no improvements as yet going on here this winter, except clearing the channel of the river of fallen trees and drift logs, which was very badly needed.

ICE HOUSES.

From the tenth of December until Christmas, all the laboring force here were busily engaged in putting up ice for use next summer, and we have an abundant supply. Now they are engaged in clearing the snow from the roofs of sheds, porches, and some of the weaker roofed large buildings, ready for another snowstorm. Cutting fire-wood, and trying to be comfortable and happy, we have not had a newspaper from the outside world for over a month, and don't know whether the Dutch still hold possession of Holland, or that the Constitutional Convention is still in session, or that R. B. Hayes is still President of these United States; we were to have a weekly mail through the winter come in by the Big Oak Flat route, but through carelessness somewhere, the mail matter goes to Mariposa as it did during the summer, and since Washburn & Co.s stages have stopped coming in here, we get no more mail from beyond Chinese camp, although the mail carrier from the Oak Flat route has made his regular weekly trips until this last storm.

Hoping that this matter may soon be remedied, and that may again be posted on the news outside, I remain yours most sincerely.

GALEN CLARK.

A Child Shall Lead Them.

The following extract shows how a child may throw light on the mysterious ways of God's providence: "I once experienced a great bereavement, which tested my trust in God's providence beyond any previous trial of my life. One night I was seated with my little boy on my knee, mourning over my loss, when my eye rested on a favorite text over the mantel-piece. The eye of the child also turned in the same direction, and without any request on my part he read the text aloud: 'The law of the Lord is perfect, converting the soul.' As I heard the words from my dear boy's lips, they seemed to sink into my heart with a power they had never had before. To my surprise the child asked the question, 'Papa, what does perfect mean?' My heart was too full to make any reply for a few moments, and before I could break the silence my little one supplied the answer by saying, 'Papa, does it mean that God *makes no mistakes?*'

THE MOTHER'S LOVE.

[Mrs. C. F. Young in *Woman at Work*, writes beautiful and sensible truth in the following brief but most excellent appeal to *Mothers* for a better care of their little ones.—ED. F.]

Who can fathom its depths? Who can doubt its sincerity? Who has not seen deep lines of care, yea, more, of agony, written all over faces? engraved in ineffaceable letters, all shaded with dark lines of suffering? No sorrow sinks so deep, or shadows life so long as the loss of children.

To-day we listened to the low earnest plaint of a heart-stricken woman whose only lamb had been taken, a beautiful six-year-old. In the morning prattling *about* the angels—in the evening *with* them. With her little life, the light went out of the house, and will never enter again.

Roses blossom over a little mound. How much better to see them in the pink cheeks of children! Money and labor have been lavished over the burial place of the little body. How much more sensible to have kept loose shoes and woolen stockings, and warm flannel dresses over the limbs of the living child!

Instruments of music are in the house. We have a keen appreciation of the artistic in tints and patterns, in the furnishing and fitting of a spacious and beautiful home. This artistic taste, directed to a study of the divine laws of life, and the adaptation of food and drink, dress and rest, to the natural forces of the child would have saved it.

We found in the orchards and gardens, the evidence of skill in the adaptation of seeds to certain soils; even so simple a thing as a melon seed is carefully related to moisture, warmth, and a light blanket of earth. Men and women understand that the conditions must be provided, or the vigor of the plant is impaired, and maturity is impossible. Are not children of as much value as cabbage plants or melon-vines? Then away with hap-hazard guess-work; and study physiology that you may understand how to relate them to sleep, sunshine, dress, and food. Study *child-life*, from the stand point of profit, and the art of preserving their lives and your happiness will be as interesting and practical as horticulture or agriculture.

COUNTRY SOCIAL LIFE.

Country folks are in general so fully occupied with affairs that they have no time to discover how lonesome they really are. So far as this is concerned we think it is a misfortune. We are too busy. We work too hard. We take few, or no holidays. We read and think too little, and do not spend sufficient time in social culture. There is no reason why these who plow the soil or "whose talk is of bullocks" should not experience the refinements which are the result of formal social life. In business, at bargains, in pursuit of dollars, no man is seen at his best. He is thorny, spiney, with his back up as a porcupine might be at his business. Let one doff his working clothes and enter a room full of his neighbors—men, women, young men and maidens—and he is a man of another kind. He naturally falls into the ways of an intuitive kindness which is really the truest politeness; the doing to his companion what he should do to him. He "lets himself out" to please, and after an evening spent in social converse, he retires with many rough corners and asperities toned down. For a few days the influence remains. It would be permanent if it could be reinforced now and then, and the good results would be most agreeable and useful. There is no difficulty in bringing these good influences to bear. Two or three persons with energy and some magnetism about them can put them in motion with ease. Now is the time to begin the effort.—*Rural New Yorker.*

Nature---Spring Time.

When storms lower and wintry winds oppress the, that Nature, dear goddess, is beautiful, always beautiful! Every little flake of snow is a perfect crystal, and they fall together so gracefully, as if fairies of the air caught water drops, and made them into artificial flowers to garland the wings of the wind.

Oh, it is the saddest of all things, that even one human soul should dimly perceive the beauty that is ever around us, a perpetual benediction.

Nature, that great missionary of the Most High, preaches to us forever in tones of love, and writes truth in all colors, on manuscript illuminated with stars and flowers.

If we were in harmony with the whole, we might understand her. Here and there a spirit less at discord, hears semitones in the ocean and wind, and when the stars look into his heart he is stirred with dim recollections of a universal language which would reveal all—IF HE ONLY REMEMBERED THE ALPHABET.

"If thou art worn and hard beset,
With sorrows that thou would'st forget
I then would read a lesson that would keep
Thy heart from fainting and thy soul from sleep,
Go to the woods and hills! No tears
Dim the sweet look that Nature wears."

Health Dress.

We have received a very neat little book bearing the above title; conceiving it to be a duty as well as a pleasure to make this valuable and instructive book known, we give the words of the able author of the book which came to us in the work, having carefully perused it, we endorse its teachings, and give wings to the opportunity for all to obtain the work at a small price, while it is worth fifty times its cost.

The author says:

MY FRIEND:—May I ask you to read this little tract, with generous indulgence toward its manner and careful consideration toward its matter. Should you find in it any important thoughts or valuable suggestions, which you would be glad to share with your neighbors, you can obtain any number of copies—in plain covers—at the following rates: single copies, three cents; one dozen copies, thirty cents; forty-five copies, one dollar; by addressing the "Secretary of the Hygienic Tract Society, Dansville, Livingston County, N.Y.

HARRIET N. AUSTIN.

LIVING IN FRANCE.

It has happened lately that a number of people with families to educate have gone to live in France for a few years that they may reduce their expenses. That is quite a compliment to France, but they might have lived here just as cheaply. It is not the prices that are so much the less, but the good management of the heads of families that makes everything go farther than it does here or anywhere else. There is not there so great profusion of everything as here, and so people must be careful and conscientious for fear they come to want the very things that are almost thrown away in this country. So if strangers keep house in France they find it no great saving, for they take with them the same prodigal wasteful ways that they have at home. If the prices of the same eatables are but small, others again are very much higher than in this country, and many compare very equally.

In France the leading thought in every good housekeeper's mind is economy; not parsimony, but regular systematic frugality. If servants there should throw away the water in which vegetables were boiled they would be considered wanting in thrift, for if anything is boiled the essence and flavor of that substance is to be found in the water in which it was cooked. It is usual there to steam most vegetables, but when they are boiled the least fluid possible is used; and if that, with the addition of cream or butter, if not suitable to serve as a dressing for the vegetables it is always put into the pot in which the soup stock is kept. That is kept as a receptacle for all things which will help to flavor and enrich the soup, and which seem to be proper only for that use. Every little bit of bone and gristle that is trimmed from meat that is to be served in other forms, every leaf of celery, every core of cabbage, even the wing tips of chickens and the crumbs that fall from the loaf of bread when the slices are cut off, and every other eatable thing that elsewhere would be thrown away, are dropped into the vessel, which in England is called the stock-kettle, in France the *pot au feu*. Do not fancy that the soups are weak, or that anything is put into them which would be disagreeble to think of. It is there the habit of housekeepers to buy often a nice bone of beef, with marrow left in it, and this will be the basis of stock for several days, the constant addition I have spoken of giving to it tone and flavor, and helping it to last longer, besides saving from loss many things that are nourishing and palatable. The first day the stock is made it should be cooked slowly for several hours and skimmed occasionally, and once every day after it should be heated over, it will be quite a jelly when it is cold, and you cut out a piece the size you will require, and take it for the foundation of soups of different names and flavors, straining, and if for a clear soup, clarifying the portion you make use of.

A WOMAN'S GLOVE.

A woman's glove is to her what a vest pocket is to a man. But it is more capacious, and in ninety-nine instances out of a hundred it is much better regulated. A man will carry two-hundred-dollars'-worth of small change, four matches, half a dozen toothpicks, a short pencil, and a pack of business cards in his vest pocket, and yet not be able to find a nickel, or a match, or a tooth-ick, or a pencil or a card, when he wants it. Not so with a woman. She has the least bit of a glove, and in that glove she carries the tiniest hand and a wad of bills, and the memoranda for her intended purchase of dry goods, and car tickets, and matinee checks, and maybe a diminutive powder-bag. We have no idea how she does it—how she manages to squeeze those thousand and one things into that wee space. But she does it every time and the glove never looks the least discomposed, or plethoric or ruffled. And when a woman wants any article concealed about that glove, she doesn't seem to have the least trouble in the world getting at it. All that is required is a simple turn of the wrist, the disappearance of two fairy fingers, and the desired article is brought to light! It is a wonder that no savant can explain.

Facts About the Human Body.

The skin contains more than two million openings, which are the outlets of an equal number of sweat glands. The human skeleton consists of more than two hundred distinct bones. An amount of blood equal to the whole quantity in the body passes through the heart once every minute. The full capacity of the lungs is about three hundred and twenty cubic inches. About two-thirds of a pint of air is inhaled and exhaled at each breath in ordinar respiration. The stomach daily produces nine pounds of gastric juice for digestion of food; its capacity is about five pints. There are more than five hundred separate muscles in the body, with an equal number of nerves and blood vessels. The weight of the heart is from eight to twelve ounces. It beats one hundred thousand times in twenty-four hours. Each perspiratory duct is one-fourth of an inch in length, of the whole about nine miles. The average man takes five and one-half pounds of food and drink each day, which amounts to one ton of solid and liquid nourishment annually. A man breathes eighteen times a minute, and three thousand cubic feet, or about three hundred and seventy-five hogsheads of air per hour.

A CHURCH PICTURE.—Twenty men scheming business and forgetting to raise their heads at the close of the prayer; twenty whom an inordinate breakfast has betrayed into sleepy stupidity; twenty women wondering if their "hair is right," or scanning the neighbors' bonnets; twenty young folks studying postures; twenty intermittent listeners whose consciences prick them into only a disjointed attention—who wonders that we hear so much of powerless preaching? The sun works wonders in photography, but not on wrapping paper. The material must be prepared. When the congregation goes—as it expects its minister—from the closet to the house of God; when it meets him with eager eyes, moistened with sympathy and speaking hunger for the truth; when he can feel that his prayer is upborne, not by the faithful few alone, but by the great congregation, preaching will have a new power.

SHERMAN & HYDE,

WHOLESALE AND RETAIL

MUSIC DEALERS,

CORNER KEARNY AND SUTTER STS.,

San Francisco.

WEBER PIANOS

.... ARE ....

THE BEST.

What the Great Musicians and Singers say of them.

NEILLSON. I shall take every opportunity to recommend and praise your instruments.

KELLOGG. For the last six years your Pianos have been my choice for the Concert Room, and my own house.

PATTI. I have used the Pianos of every celebrated maker, but give yours the preference over all.

STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

WEHLI. Madame Parepa called your Pianos the finest in the United States. I "fully endorse," that opinion. They have no "rival anywhere."

MILLS. Amongst the many excellent Pianos made in the city, the Weber ranks foremost.

LUCCA. Your Uprights are extraordinary instruments and deserve great success.

MUHSKA. Your instruments surpass my expectations, and I rank you justly as the Foremost Manufacturer of the day.

GODDARD. Your Instruments have no "superior" anywhere. I certainly have not seen any Pianos in America which approach them even.

The Cottage Gem Piano,

Is 7 Octave. Serpentine Mouldings. Carved Legs, and is the BEST PIANO in the market for the price.

$350.00.

The Standard Organ

Has a Beautiful Case, full, rich tone, and for durability

Excels all Others!

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Sheet Music, Music Books,

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Santa Clara College, S. J.

SANTA CLARA, CAL.

THE TWENTY-SEVENTH ANNUAL SESSION OF THIS Institution will be resumed Thursday, January 3d.

This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It occupying six large buildings with extensive shady playgrounds, covered gymnasiums, swimming pool, etc.

It possesses a most complete philosophical apparatus, and valuable collections of mineralogy and geology. It has also practical schools of Assaying, Surveying, Telegraphy, Photography, and Commercial business. For the latter a new building 160x40 has just been finished that leaves nothing to be desired.

Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course.

TERMS—(Payable semi-annually in advance) Matriculation fee, to be paid but once..... $ 15.00
Board, Lodging, Tuition in all branches, Washing and Mending of Linen, School Stationary, Medical attendance and Medicine, Baths, etc., per session of ten months..... $350.00

For further particulars apply to the President of Santa Clara College, or to St. Ignatius College, 841 Market Street, San Francisco

34-1 REV. A. BRUNENGO, S. J., President

THE GREAT SEWING MACHINE DEPOT,

19 NEW MONTGOMERY STREET,

San Francisco.

FLORENCE,	SAMUEL HILL
WHITE,	General dealer in Sewing
NEW HOME,	Machines, also agent for
WEED IMPROVED,	the celebrated Howard
PEERLESS.	Needles for all Sewing
48:20	Machines, and for Florence and California Oil
	Stoves.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the *information of their Wants.*

Miscellany.

Gatherings along the way side,
Floating gems by every tide.

A REBUKE TO COMMON SWEARERS.

(We copy these lines from an *original copy* of the *New Hampshire Sentinel* of November 10, 1811, in our possession. Here is a noble sermon against the terrible evil of swearing so very common in our City, here is a good admonition to all parents as to their example before their children.—Ed. FARMER.)

To mention God, no man has just pretence,
But to his honor, or his truth's defence,
In common talk, where trifles most abound,
God, Christ or Lord, strikes horror with the sound

Nor should we dare appeal to Him on high,
To gain belief, or to attest a lie,
Thus to abuse that name, if men presume,
The third commandment loudly speaks their doom.

Yet some, alas! in every trivial cause
To stop the gap in speech or for a pause,
To fill the sentence at each others word,
From mouths unhallowed breathe, Christ, God or Lord!

Thus children hear their parents, oaths repeat;
To them they listen, think the sound is great;
And by example learn to do the same!
And wickedly profane God's holy name!

Hence, where such children meet, a dreadful thing!
The streets with oaths, and horrid curses ring!
Good Lord! if e'er such monsters I came nigh,
From their ill ways, give me thy grace to fly.

A BIRD IN A BALLOON.

Miss Nellie Thurston made a balloon ascension from Oneida, N. Y., last fall, and after a journey of sixty miles landed safely at Burlington Flats, Oswego county, making the distance in forty minutes. She took with her a humming pigeon from the Oneida community, and when she reached an altitude of three miles undertook to release it. Miss Thurston opened the cage but the bird would not fly. She then put it on the edge of the basket and it immediately jumped down to the bottom and nestled near her in a manner which seemed to say, "Please protect me." Miss Thurston said she felt sorry for the pretty little bird, and dreaded to throw it out, but thought she would try it again and see if it would not go willingly; so she sat it on the edge of the basket again, when it immediately alighted on her shoulder. She then took it in her hand, and gave it a gentle toss, but instead of starting for the world below, it sailed around the balloon several times and alighted again in the basket. She took it again in her hand, petted it, and with words of sympathy and assurance she gave it a kiss, saying, "Birdie, you will get home all right," and the pigeon, as if comprehending the words of kindness and assurance, flew from her hand and was soon lost sight of. It did not, however, reach its home until the next day.

Panharmonicon.

This *chef 'douvre* in the musical world, now exhibiting at the City Hotel, commands the admiration of the auditors, as well as the amateurs as those unskilled scientifically in the "concord of sweet sounds." This instrument is a combination of instruments, put in motion by machinery, and playing a variety of pieces, from a solo to the full concert of an orchestra or band. The instruments it plays on are, the bass and kettle drums, serpent and bassoons, and trumpets, clarinets, and hautboys, concert and octave flutes, cymbals and triangles, all performing separately or together with exquisite harmony and in perfect time. The inventor, Mr. Pardi, of Italy, was 15 years in completing this astonishing work. After gratifying the citizens of Paris with its unrivalled powers, the proprietor brought it to Boston. There it was set up and improved by Mr. Goodrich, a self-instructed artist, whose natural taste for music and untaught skill in mechanics, are probably without an equal in this country, and who now attends it in this city. Its performances, whether in the soft solo of sacred music, the lively air of a cotillion, or the grand military march of "the tented field," afford the highest satisfaction to the auditors and richly compensate for the time and cost of the attendance.—*The N. Y. Columbian of* 1811.

A ball of fire appeared in the commune of Chargeauville, on the 23d of November, which, bursting with a tremendous explosion, let fall three large stones, accompanied with smoke, and darted with such force, that they entered the earth to the depth of nearly 80 centimeters. One of the stones is covered with a crust of greyish black, while the inside is more clear. It is very compact, and hard enough to cut glass. It appears to contain globules of iron, pretty large and brilliant. —*The N. Y. Columbian of* 1811.

A NEAT PUN.—The United Irishmen who regulate the elections in Pennsylvania, have propagated an electioneering story, that the federal municipality have made wood so very scarce and dear, that they cannot purchase it. A writer in the *Gazette* of the United States pities them and wishes every one of them had a *cord* at the public expense; and wonders that they do not take it into their heads to return to the *dear* land of *trees-on*.—From *New Hampshire Sentinel*, published in November, 1811.

"Mother, what is an angel?" "An angel? Well, an angel is a child that flies." "But, mother, why does papa always call my governess an angel?" "Well," explained the mother, after a moment's pause, she is going to fly immediately."

Col Middleton, of South Carolina, has a mule over seventy years of age. The animal still does duty on the farm.

AMERICAN
Berkshire Record.

Authentic and Reliable Pedigrees

Of the principal families of Berkshire Swine, with dates of farrow, addresses of breeders, etc.,

PATRONIZED BY THE

FOREMOST BREEDERS IN ENGLAND AND AMERICA.

Volume I. contains the standard o Characteristics and Marks of Berkshire Swine, adopted by the National Convention in 1872; and Volume II. the STANDARD OF EXCELLENCE, more recently adopted by the AMERICAN BERKSHIRE ASSOCIATION. In each will be found

Also Valuable Treatises on Swine

The price of Vol I. is $3.50, post-paid; that of Vol. II. $5.00, post-paid. Volume I. and II. will be sent, if ordered at same time, (although both need not go the same address) for $8.00, post-paid, the money to accompany the order.

BLANK FORMS FOR PEDIGREES,

Bound in sets of one hundred, with studs for retaining memoranda, price $1.00 per set. These forms are adapted to general use by breeders of all kinds of farm and domestic animals, and are designed to aid in the systematic preservation of pedigrees.

PREMIUM ESSAYS.

I. The Origin, Breeding and Management of Berkshire Swine.

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These two Essays, for which the Association paid $100 each, and the seven illustrations therewith, have been published together in pamphlet form. They will be sent post-paid on receipt of 25 cents.

For further information, read carefully the Third Annual Report of the Association, and the Suggestions, Instruction and Rules therewith, or Address,

N. B.—These Splendid Volumes can be seen at THE FARMER OFFICE.

PHIL. M. SPRINGER, Sec'y,
4:7 Springfield, Ill.

PATENTS

In connection with the publication of the *Scientific American*, we continue to act as Solicitors for Patents Caveats, Trade-Marks, Copyrights, etc., for the United States, Canada, Cuba, England, France, Germany, etc. In this line of business we have had *thirty-three years' experience*.

Patents obtained through us are noticed in the *Scientific American*. This large and splendidly illustrated weekly paper shows the current progress of Science, is very interesting, and has an enormous circulation. Subscriptions $3.20 a year, postpaid; single copies 10 cents. Sold at all Book-stores and News-offices.

How I Obtain a Patent? The question is often asked. Write to us, and we will tell you the best way to obtain a satisfactory answer, without expense, is to write to us (Munn & Co.), describing the invention, with a small sketch. All we need is to get the idea. We will immediately answer, and give the necessary instructions. For this advice we make no charge.

We also send, free our Hand Book about the Patent Laws, Patents, Caveats, Trade-Marks, their costs, and how procured, with hints for obtaining advances on inventions. Address MUNN & CO., Publishers of the *Scientific American*, 37 Park Row, New York.

Farmers' Accounts.

WE HAVE often urged our farmers to keep full Records of all their farming operations—keep them in full details in every department of their labor The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer.

A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to

List of Australian Duties.

Our Merchants and Shippers of Goods to Australia who desire to know the rates of duties to the several Colonies, cand find a "List of Duties" of each district at the Office and Reading Room of the CALIFORNIA FARMER, 320 Clay Street, San Francisco.

J. M. THORBURN & CO.,
15 JOHN ST.
NEW YORK.
Growers and
Importers of
GARDEN,
FLOWER,
GRASS,
— AND —
TREE SEEDS.

SOLICIT Orders for the above from the TRADE, also, *GLADIOLUS* and all other *BULBOUS ROOTS*.
4:15 Price Lists on Application.

New Books---Life Science.

The following valuable new works just received at THE CALIFORNIA FARMER OFFICE, 320 Clay Street, worthy special attention:—

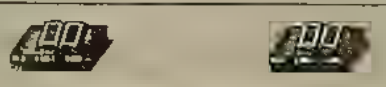
"PLAIN HOME TALK AND
MEDICAL COMMON SENSE,"

A most valuable work, one volume, 900 pages, fully illustrated with 200 engravings.

"SCIENCE IN STORY,"

A most interesting volume of nearly 1200 pages, admirably illustrated; Also, "Science in Story" in five volumes, most admirably written and most inviting to every reader and conclusive in the arguments of every story.

These Volumes are all Edited by Dr. E. B. Foote, and issued by the Murray Hill Publishing Company, of Chicago, Ill., and for sale at the FARMER OFFICE.



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—AND—
JOB PRINTING.

POSTERS, CARDS,
—AND—
CIRCULARS,
PROMPT, CHEAP AND GOOD
AT THE LARGEST PRINTING HOUSE
On the Pacific Coast.

COMMERCIAL
STEAM MAMMOTH
PRINTING HOUSE.

517 CLAY STREET,
FRANCIS, VALENTINE & CO.,
44:1 PROPRIETORS.
all—handsomely got up and finely bound Price, $2.50, worth ten times the cost. 45:21

Worth a Guinea a Box!

CLARKE'S

Liver and Bilious Pills.

The BEST MEDICINE you can possibly take for Indigestion, Fever and Ague, Wind in the Stomach or Bowels, Sick Headache, Heartburn, Giddiness, Drowsiness, Languor, Spasms, Pains and Fullness at the pit of the Stomach or region of the Liver, Loss of Appetite, Diarrhœa, Dysentry, and the most certain cure for Piles is

Clarke's
LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

TESTIMONIALS:

WONDERFUL!

WARWICK, QUEENSLAND, April 21, 1877.
MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR,—I think it my duty to you, and for the benefit of others, to state, that for the past two years I have been troubled with a pain in my left side, I think through a hurt. I have been under the treatment of two medical men here. One told me I had heart disease; another, disease of the lungs. I went to Brisbane and consulted one of the leading Physicians there. I spent thirty pounds with doctors for medicine, and was worse than when I commenced. I could scarcely breathe for pain, and had given up hope that I was ever to be better. I heard of many cures by your Liver and Bilious Pills; I thought I would try them. I have only taken three small boxes; the pain is gone, my general health is improved, and now I can work as well as ever I have done. I have been working on the roads. My case has been well known here, and my wonderful recovery. Being for ever thankful to you. I am, truly yours,
WILLIAM STEWART.

PARTICULARLY NOTE THIS

HERMITAGE, WARWICK, August 14, 1877.
MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR,—Four years ago I was sluicing tin at the Tin Mines. With standing in the water I took cold shiverings with night sweats—lost all desire for food Consulted a Physician in Warwick; was under his treatment four months without improvement. Dissatisfied, went to another, who gave me no hope of recovery, but improved a little under his treatment. One day, being very warm, I bathed in the river, and coming out of the water felt very ill. Went back to the doctor, who renewed the medicine without any benefit In addition to the weakness and night sweats I had intense pain through my body, especially in my left side. My breathing was so painful and difficult, I thought I would be suffocated. I was five months, after the relapse, under the Doctor's treatment, getting worse every day, till the Doctor told me to go home, that I could not possibly live a week. I went home very sad. My wife persuaded me to try your Liver and Bilious Pills. I did. Before I used one box the night sweats were gone, the pain in my side better, my appetite improving. Got another box, and before it was finished, the pains were all gone, my breathing improved, and now, two months after, I never enjoyed better health, can do my work as well as I ever did. I can thoroughly recommend your Pills as having saved my life.
MICHAEL BYRNE.

WARWICK, December 30th, 1872.

TO MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed *good health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 28, 1874.

To MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)
JOHN GREEN,
—Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus.

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir:*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it but if I must take it give me the Eucalyptus above all others. Yours sincerely,
GALEN CLARK.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved as cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you Davi Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY
David Clarke,
Manufacturing and Wholesale Chemist,
AT HIS LABORATORY,
Warwick, Queensland.

FOR SALE BY
WARREN & CO.,
SOLE AGENTS FOR THE
UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

COMMISSION
SALES-ROOM,
—AND—
Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass o purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, o for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipmen of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and eve y article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

BOOKS---SEEDS---TREES

All rare and choice things can always be purchased as above

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE,
AND ALSO UPON
TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 5 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large ots. Also

EUCALYPTUS SEED.

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine Patent Bee Hives of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,
320 Clay Street,
SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Linament for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Linament is needed, as it has been proved to be the best Linament known.

FOR SALE,
Wholesale and Retail,
WARREN & CO.,
320 Clay Street,
AGENTS FOR DAVID CLARKE'S REMEDIALS.

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill*" this we cannot do without CASH, or a special understanding before hand.

WARREN & CO.

TO ADVERTISERS ABROAD.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows—All line advertisements will be ONE DOLLARS for Five Lines, or less, Nonpareil, *first insertion*; larger space, *Fifteen Cents per Line*, each subsequent insertion, *Ten Cents per Line*. This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community.

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $20.00.

For one-eight of a column, three months..... $15.00 | For one-half of a column, three months..... 50.00
For one-quarter of a column, three months..... 30.00 | For an entire column, three months..... 100.00

For a single month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra It must be specially understood that these rates are invariable—unchangeable; the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the abov rate

WARREN & CO., Proprietors,
320 CLAY STREET, SAN FRANCISCO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, February 20, 1879.

Money and Exchange Tables.

Exc. on England, new style, long and short	4 80 a 4 88½
Gold, at par	— 1 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	8s 6d a 9s 1d.
Value of Club Wheat in Liverpool	9s 1d a 9s 5d.
Value of Wheat in New York, bushel	1 05 — 1 15
Brewers Barley in New York, bushel	1 00 — 1 05

MONEY AND EXCHANGE TABLES.

The *Money Market* is full of money in the capitalists hands and there is plenty of loose capital in banks, as the report of the Commissioners show, our banks now show a sound condition, yet in the business circle and in the country money is hard to collect, the masses of the people want money.

We repeat what we said last week, because it is one of the great needs of the country, we ask

Why should we import what we can manufacture? and do it as well and better than any other people, it has been proved that our woolen goods, and our blankets from the Mission Mills bore off the prize wherever shown—our brooms, pails and tubs and the cutlery of our State carries off the palm wherever exported—why should we not have manufactories of silk, mohair, linen and cotton goods on a large scale! it would pay better to our State than to import them.

The banks here and all our capitalists are working hard to find good investments for their money, let them encourage "Home Manufactures," and the new life given to business generally would soon call all the idle money into use, and yield them a good and a permanent return.

The Bank of England has cut down the rate of interests to 2 per cent. France quotes very low interest, with full treasuries. Germany more use for her money Russia, Turkey and other nations want money.

Money in New York is a drug, as low as 1, 2, 3 per cent per annum on three months' paper.

Our bank rates are 7 to 9 and 9 to 12 per cent, according to cases—long loans can be had at 7 per cent and less.

GRAIN AND FLOUR MARKET.

The *Grain Market* this month is in great contrast with the markets six months ago, then a good high figure and lively sales, now dull low figures and slow sale and an overstocked market, and the evidence clear that the price will be lower—even in spite of the effort of speculators to raise the market by the "Plague spot in Europe."

There has been but little real life or activity in the flour or grain market for some weeks, now and then a spurt, that is all.

Our flouring mills do not run full hours and some only half time, as the demand is lessened.

Our exports of grain much less than hoped for or expected—freighting ships not so plenty, and freight rates advancing—all this tends to lessen the value of wheat—while added to these facts Rain, Rain, Rain, in plenty coming, all indicate quite a decline in the wheat market here at home—and as it has taken place in Europe.

The *Flour* exports continue lightly, while *Wheat* exports are only a tithe of former months, dullness marks this trade.

The *Barley Trade* dull, no rush, price nominal. *Oat Trade* the same.

The *Market* for *Corn, Rye,* and *Buckwheat* are all flat, but the weather has something to do with trade, by and by when the sunshine comes all trade will wake up and our markets grow into life.

The various *Feed stuffs*, of *Bran, Middlings, Corn Meal, Ground Barley, Oil Cake Meal,* are all the same as last reports.

The *Hay market* also remains dull, no change in price.

The *Seed Trade* will soon wake up, and more trade in this us be done and with profit.

The *Potato market* is not overstocked and prices are a little firmer, the Early Rose commands the highest figures we quote—*Sweets* are less this week.

Onions way up, last week 7 cents, this week 4½ to 5 cents, a big price.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 45 — 1 50
do Choice do.	1 60 — 1 65
do Milling do.	1 67 — 1 70
Barley, per 100 lbs., feed	85 — 95
Barley, for brewing, (Chevalier)	1 12 — 1 20
New Rye	1 10 — 1 12
Oats, California, per 100 lbs.	1 20 — 1 55
Corn, do. do.	85 — 1 10
Flour, Superfine, per bbl	4 00 — 4 25
do. Extra	4 50 — 4 50
Extra Flour for shipping	5 00 — 5 25
Very Extra Family Flour	5 00 — 5 25
Oregon Superfine	4 00 — 4 25
do. Extra for Shipping	4 75 — 5 00
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 25 — 1 40
Bran per ton	17 00 —18 00
Middlings per ton	23 00 —24 00
Ground Barley	23 50 —24 00
	—36 00
Oil Cake Meal, for feed, per ton	— 3 00
Beans, per 100 lbs, various	1 75 — 3 00
Beans, Lima	4 50 — 5 00
Potatoes, common	1 10 — 1 30
Potatoes, choice	1 40 — 1 90
Sweet Potatoes	1 00 — 1 50
Onions, new	4 50 — 5 00
Hay per ton, ordinary	8 00 —10 00
Hay per ton, extra	11 50 —13 00
Wheat Hay	13 00 —15 00
Alfalfa Hay	—
Straw per ton	5 00 — 6 00

Retail Prices in the Fruit Market.

Our *Fruit market* does not make so great a display of varieties of fruit as usual—the great show is Oregon Apples—our California Oranges now begin to flow in, small at first but better soon, and the Island Oranges, Bananas, Lemons, Limes, Nuts, etc.—in about a month or six weeks, a change will come, and a good show made.

Apples, per box	75 — 1 50
do. do. lb	6 — 8
Pears, per box	1 00 — 1 50
" per lb	10 — 12
White Grapes, per lb	15 — 20
Black Grapes, per lb	15 — 20
Figs, dried, per lb	12 — 15
Tahiti Oranges, per doz.	30 — 40
Lemons, imported, do.	30 — 50
Limes, do do.	20 — 25
Pine Apples, each	75 — 1 00
Bananas, per bunch	2 00 — 3 50
California Oranges, per dozen	20 — 75
" Lemons, "	40 — 75
" Limes, "	25 — 30
Persimmon	20 — 25
California Walnuts, per pound	8 — 12
Almonds, hard shell, per pound	12 — 14
do. soft shell, do.	16 — 18
Foreign Pecan Nuts	12 — 15
Madeira Nuts	12 — 15
Foreign Brazil Nuts	15 — 20
Filberts	12 — 15
Chili Walnuts	7 — 10
Pea Nuts	8 — 10

Retail Price in the Vegetable Market.

We can with truth repeat what we said in our last.

The *Vegetable Market* when the severe weather is considered is remarkable—there is no market in the world that can show as large a display of superior vegetables at the Winter's season as our own California markets.

We have now in market new tomatoes, potatoes, mushrooms, and salads, all very fresh.

The large quantities, the great variety, and the superior quality cannot be equalled the world over.

Asparagus	35 — 40
Artichokes, (French) per doz	15 — 20
Tomatoes, per lb	5 — 6
Beets, per doz	— 25
Broccoli, each,	10 — 12
Cauliflower	10 — 12
Cabbage, do	8 — 10
Carrots, per doz.	— 25
Celery do.	75 — 1 00
Celery Root per dozen	— 75
Cress, per dozen bunches	10 — 12
Cranberries, per gallon	30 — 40
Dried Herbs, per doz.	— —
Green Peas, per lb.	12 — 12
Lettuce per doz. bunches	4 — 5
Onions per lb.	12 — 15
Horseradish, per lb	— —
Okra, green, per lb	— 50
Okra, dried, per lb	2 — 24
Choice Potatoes	10 — 12
New Potatoes	2 00 — 2 50
Potatoes choice, per 100 lbs	3 — 4
Kidney Potatoes, per lb	2 — 3
Pumpkins	— 20
Parsnips, per doz. bunches	— 20
Salsify, do. do.	15 — 20
Parsley, do. do.	40 — 60
Pickles, per gallon	8 — 8
Radishes per doz. bunches	2 — 3
Squash, Marrowfat	2 — 3
do. Hubbard	8 — 10
Lima, Dry	— —
String Beans, per lb	— 8
Spinage per lb	4 — 5
Salsify, per bunch	— 20
Turnips, per doz.	8 — 10
Garlic	15 — 20
Eschalot	10 — 15
Mushrooms	— —

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea. Our salmon beat the world for this choice fish.

Salmon ₩ lb	10 — 12
do smoked new	6 — 10
do pickled, ₩ lb	20 — 25
Lake Bigler Trout each	25 — 50
Lake Bigler Trout, extra	— 12
Smelts, per lb	— 12
Perch do.	— 12
Rockfish do.	— 10
Codfish, dry, per lb	— 8
Herring, fresh, per lb.	— 25
do smoked, ₩ doz	— 12
Tomcod, per lb	— 10
Sardines, fresh, per lb	— 25
Solefish, per lb	15 — 20
Mackerel pickled, each	— 25
Shrimps, per lb	8 — 10
Flounders do.	12 — 15
Sea Bass do.	— —
Halibut do.	40 — 50
Sturgeon do.	— —
Turbot do.	50 — 60
Terrapin, ₩ doz	2 50 — 3 00
Pompano do.	— —
King Fish do.	— — 2 50
Anchovies do.	— — 25
Frogs, per doz	12 — 15

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market. Oysters are showing nice and fat and the public appetite now craves this delicious bivalve. Every day a grand show in our market.

Oysters ₩ 100 choice	75 — 1 00
Chesapeake oysters per dozen	50 — 75
Crow Fish, per lb	12 — 15
Clams per 100	— 50
Mussels do	— 25
Crabs, boiled, each	— 25
do. soft, per doz	— 50

Retail Meat Market.

The *Retail Meat market* furnishes all the choicest kinds at unusually low figures for this season of the year, and thus is an unusual full market.

Porter House	15 — 20
Porter House, extra	20 — 25
Beef, tenderloin, per lb	18 — 20
do sirloin and rib pieces	12 — 16
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	5 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	10 — 12
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	10 — 12
Beef tongues, each	— 75
Pigs tongues, each	— 15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	13 — 15
Choice hams, Suffield	15 — 18
Whitaker, St. Louis, Mo.	15 — 18

Poultry and Game Market.

The *Poultry market* is largely and fully supplied—turkeys abundant and cheap, unusually so, other kinds plenty and cheap—game plenty and very cheap.

RETAIL PRICES.

Ducks tame each	75 — 90
Canvas Backs, pair	75 — 1 00
Small Ducks, dozen	1 00 — 1 50
Geese tame, per pair	2 00 — 2 50
Broilers	50 — 60
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	20 — 22
Snipe, English per doz	3 00 — 3 50
Pigeons, domestic, per doz	4 00 — 4 50
Quail, per doz	1 00 — 1 50
Hares each	25 — 38
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Squirrels, per pair	— 15
Venison per lb	12 — 15

Poultry and Game—Wholesale.

Broilers, per doz	4 00 — 5 00
Large Chickens, per doz	6 00 — 7 00
Hens, per doz	7 00 — 8 00
Turkeys, dressed, per lb	18 — 20
Ducks, tame, per doz	7 00 — 7 50
Canvas Backs, dozen	3 00 — 3 50
Small Ducks, dozen	1 00 — 1 50
English Snipe, per doz	2 50 — 3 00
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Quail, per doz	75 — 1 00
Hares, per doz	2 00 — 2 50
Rabbits, tame, per doz	1 50 — 1 75
Squirrels, per doz	75 — 1 00
Venison, per lb	7 — 8

Retail Dairy Market.

The *Dairy Market* is quite active, but stocked plentifully, prices generally as was last report—eggs come in more plenty and cheaper—cheese, good market, prices firmer.

Butter, California, Extra Choice per lb	35 — 40
do. do. for (Cooking) do.	25 — 30
do. do. packed best roll	27 — 30
do. do. Eastern	25 — 30
California Eggs, per doz	28 — 30
Oregon	25 — 27
Duck Eggs, do	52 — 27
Cheese per lb	15 — 20
do. bags, per lb	25 — 30
Eastern Cheese, do.	25 — 30
Lard, California, per lb	18 — 20
Lard Eastern, do.	— 18
Honey, Comb	15 — 15
do. Strained	8 — 12
Vermont Maple Sugar, per lb	— 20

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb. (Fresh)	32 — 35
do. Packed Roll, do.	24 — 27
Eastern Butter	20 — 22
Cheese, California, per lb	10 — 13
California Eggs, per doz	22½ — 25
Eastern Eggs, per doz	20 — 21
Duck Eggs, "	22 — 25
Lard, per lb., in tins	14— 14
Eastern Lard, per lb., in tins	13 — 16

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging market* generally firmer and a little advance on grain bags; the price will go up, and when they have advanced 25 or 50 per cent. our grain growers will say, I wish I had bought when they were low

Hand Sewed Bags, Standard, 22x36 com. prices	9½ — 9¾ cts.
Second Hand, Extra	8 — 9½ do
Machine Sewed, 22x36	10½ — 12¾ do
do do 29x56	10½ — 11 do
Barley Bags, 22 x 40	11 — 12½ do
" " 24 x 36	9½ — 10 do
" " second hand	— 8½ do
Wool-sacks, new	45 — 55 do
do. second hand	30 — 40 do
Potatoe Gunnies, Double Sewed	13 — 14 do
do. do. Second Hand	10½ — 11 do
Flour Bags, quarters	6½ — 6¾ do
do. halfs, six qualities	9 — 11 do

Staple Home Products.

Our general assortment of *Home Products* show well, and their general increase show that our State and coast productions is fast stopping importation of many articles, and, because we grow, prepare and manufacture a better quality.

Flax Seed, per lb	2½ — 3½
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	3 — 3½
Castor Oil No 1 Diamond in cases, per gallon	— 1 10
" " " barrels "	— 1 05
Castor Oil, No. 2 Diamond in cases per gallon	— 1 00
" " " ½ barrels "	— 55
Linseed Oil, Boiled	— 75
do. Raw	— 72
Cocoa Oil	— 55
Hops, California	3 — 10½
Alfalfa	12 — 14
Mustard seed	3 — 3
English do.	4 — 5
Canary Seed	4 — 6
Coriander Seed	8 — 10
Broom Corn	4 — 6
Bees Wax	26 — 28

California Leather Market Report.

The *Hide, Leather* and *Tallow markets* partakes of the general stagnation of trade—waiting, waiting, for a revival, no change since last week.

California Sole Leather	23 — 30
do. Harness do.	— 30
do. Skirtings,	— 37½
Bridle Leather	4½ — 6½
Rough do. Oak Tanned	18 — 20
Waxed Calf Skins	50 — 1 00
do. Kips do. per dozen	30 00 —55 00
do. Leather per foot	15 — 17

Wool, Tallow, Hides, Etc.

The *Wool market* is stagnant so far as demand or sale, and prices nominal.

Wool, Spring Clip	15 — 18
do. Choice Extra	17 — 18
Fall Clip	14 — 18
Oregon Wool, per lb	10 — 21
Medium, bright	12 — 14
do burry	10 — 11
Goats' Wool (mohair)	20 — 75
Dry Hides, per lb	14 — 15
Green Salted, per lb	7 — 9
Deer Skins	60 — 1 00
Sheep Skins, wool on	35 — 75
do do plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	6 — 6½
Tallow, refined	7 — 8

Average Slaughtering Prices.

The *Wholesale Meat market* continues well supplied, and at low figures, the quality of the meats in our markets are always A No. 1—this week prices are low.

Beef, American, 1st quality	5 — 6 cts
do. do. 2d. do.	4 — 5 do.
do. do 3d. do.	3½ — 4 do.
do. do 3d. do.	6 — 7 do
Veal	4 — 4½ do
Mutton	— do
Lamb	3½ — 4 do.
Pork, Undressed	5½ — 6 do.
do. Dressed	— —

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED ACcommodations for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU January 20th, and every fourth week thereafter.

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports; also, HAVANA and all WEST INDIES ports on 5th and 20th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

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HUMANITY TO THE HORSE

—CURES ALSO—

Burns, Bruises, Scratches, Scalds, Mange, Etc., Etc.

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C. P. R. R

COMMENCING

SUNDAY, JUNE 6th, 1875.

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma. (Arrive 8:55 P. M.)

8:00 A. M., (Daily,) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 5:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 8:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 9:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Caliente and Los Angeles Also at Niles with Train arriving at San Jose 6.55 P. M. (Arrive 12.40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11 10 A. M.)

4:00 P. M., (Daily,) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily. (Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND.

"Daily"—7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M., 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.

"Daily, except Sundays"—6:10 A. M. and 11:45 P. M.

"Sundays only"—10:30 and 11:30 A. M.; 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4:00 6:00 and 10:30 P. M.

"Sundays only"—11:00 A. M., and 1:30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M.; 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—7:30, 8:30 and 9:30 A. M.; 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—8:30, 11:00 A. M. and 11:45

"Sundays only"—10:30, 11:30 A. M. and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:40, 9:00 and 10:10 P. M.

"Daily, except Sundays"—5:10 and 5:50.

"Sundays only"—11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:03 and 9:09 A. M.; 3:00, 3:58, 5:00, 6:08 and 7:00 P. M.

"Daily, except Sundays"—5:00, 5:40, 11:30, A. M., and 1:30 P. M.

"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO

"Daily, except Sundays"—6:55, 8:00 and 11:05 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M.; 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:20, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays"—5:20 A. M. and 1:50 P. M.

"Sundays only"—10:20 and 11:20 A. M.; 12:20, 1:20 and 1 35 P. M

T. H GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

Winter Arrangement.

Commencing Monday, December 5, 1878,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows:

8:30 A. M., Daily for San Jose, Gilroy Hollister Tres Pinos, Pajaro, Salinas, Soledad and all Way Stations.

☞ AT PAJARO connects with the SANTA CRUZ, R. R. for Aptos and Santa Cruz.

☞ At Salinas connects with the M. & S. V. R. R. for Monterey.

☞ Stage connections made with this train

10:40 A. M., Daily for San Jose and Way Stations.

3:30 P. M., Daily, (Sundays excepted,) for Gilroy.

4:40 P. M., Daily for San Jose and Way Stations.

6:30 P. M., Daily for Menlo Park and Way Stations.

☞ The extra Sunday train to San Jose and Way Stations is discontinued for the Winter season.

☞ EXCURSION TICKETS to San Jose and intermediate points and return sold on Saturdays and Sunday mornings—good for return until following Monday mornings.

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

☞ Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, having SAN FRANCISCO, via Ferry Landing, Market street, at 1:00 P. M. daily, and making close connection at GOSHEN for Sumner, Visalia, LOS ANGELES, Wilmington, Anaheim, Colton Colorado, River and YUMA.

S. P. R. R.

(NORTHERN DIVISION.)

☞ SPECIAL ANNOUNCEMENT. ☜

Commencing Saturday, July 13, 1878.

EXCURSION TICKETS

Will be sold by this Company from

SAN FRANCISCO

—TO—

San Jose and other Points and Return,

At Greatly Reduced Rates.

Tickets to San Jose, good for Return by either the Southern or Central Pacific Railroads.

☞ These tickets will be sold ONLY on SATURDAYS and SUNDAY MORNINGS.

The RETURN TRIP Ticket will not be good for passage after the MONDAY following the date of purchase.

Ticket Offices—Passengers Depot, Townsend Street and at Valencia Street Station.

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Tk't Agent.

NOTICE—SAN JOSE Excursion Tickets (via C. P. R. R.) can be purchased at the Offices of the Central Pacific Rail Road, Oakland Ferry, foot of Market Street, San Francisco, also, at the several Ticket Offices in Oakland. 48.8

1854. 1879.

THE

CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FIFTH year with 1878, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD of the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on this Coast—this was at Sacramento in the year of 1852, and also the GRAND FAIR at San Francisco in 1853—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

THE CALIFORNIA FARMER was the first and only advocate of SILK CULTURE, TEA CULTURE, COFFEE CULTURE, COTTON CULTURE, and the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS, and this was in early years when the masses lightly esteemed all such enterprises.

THE CALIFORNIA FARMER was the FIRST and only advocate for the planting of the ALFALFA as a forage plant, and the first to introduce the seed and its culture, and not only this grass, but all other valuable grains and forage plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STONING WHEAT, of SUMMER FALLOW, of SUBSOILING, and of DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL—doctrines that have now, after long years of trial become the basis of true and successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE OF AGRICULTURE, which such years of labor merit, our JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

The TERMS OF THE CALIFORNIA FARMER being placed at a low price, should induce, as we trust it will, a generous addition to our LIST OF SUBSCRIBERS for the year of 1879.

Desirous of placing this old PIONEER AGRICULTURAL JOURNAL, (The only exclusive AGRICULTURAL JOURNAL of the Pacific Coast), before the people at so low a price that all can have it, we make the following

Terms for the Year 1879.

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Single Copies,	$1 00
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California Farmer, 1879.

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We propose for the year of 1879 to offer to our Patrons the following valuable JOURNALS in connection with our own, all at reduced rates, so as to give them the best works at a low rate—(all postpaid). Price per year

The FARMER and VICK'S MONTHLY MAGAZINE	$ 2 00
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The FARMER and HARPER'S MONTHLY	5 00
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The FARMER and HARPER'S THREE WORKS	10

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CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, MARCH 6, 1879. NO. 4.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

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SAN FRANCISCO.

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☞ Our full ADVERTISING RATES will be found on the SEVENTH PAGE.

All Letters on Editorial Matters to be addressed to COL. WARREN, EDITOR.

☞ All Letters on Business connected with the Office should be addressed to

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PACIFIC RAILROAD.

(Early records, Copy to Legislature in 1852-'53.)

To the Committee of the Pacific Railroad—Gentlemen

Permit us to offer you the following brief thoughts bearing upon the great subject under your immediate charge:

There is no class of our citizens whose interests are more deeply involved and none who should take a deeper interest, or who should make greater exertions for the success of the PACIFIC RAILROAD than the AGRICULTURISTS OF CALIFORNIA.

A new, a successful and a glorious field is opened to them if they will but obey those laws that Nature and Providence points out to them.

This is the "Age of Progress" and the farmers the tillers of the soil must keep pace with the age.

A brief time—as it were but yesterday, Agriculture was unknown in this country—gold and gold only, was the crop sought for—and a vast amount of the treasures of this newly discovered country was was sent abroad to pay for Grain, Flour and Produce that was needed for man and beast.

Millions were expended for Barley alone, as food for the animals that conveyed the agricultural produce of other countries to the hardy miners in the mountains and on the river banks and in the river beds of California.

The riches of earth other than gold was not sought for, not discovered—though far richer than the Yellow Ore, that cost so much labor, and so many lives.

Millions too were annually expended for the Flour, Potatoes and Onions, the great articles of import and traffic.

Vast amounts too were sent out of the country for the purchase of Agricultural Implements when the dawn of this great interest burst upon our favored land.

This export of the precious metals kept the country poor, for the high cost of the necessaries of life and the long time that capital lay dormant added to the cost and burden, already too heavy.

The cost of Agricultural Implements and the large amount of capital required for farming purposes prevented owners of the soil from the purchase of the necessary implements, and thus the work was retarded—for a time.

A new era is dawning and its brightness should be hailed by the cultivators as the "Golden Era" indeed. the agriculturist above all others needs facilities the *most rapid* and convenient—they need them for the introduction of their Grains, Grasses and other seeds that they may test the capabilities of the soil they cultivate, they need them that they may secure to themselves at the earliest moment all and every new and valuable Implement of husbandry, especially labor-saving—and they need them as cost saving, for the less time required in importations, the less cost of capital employed.

The agriculturist more especially is interested in this *Great Pacific Railroad* for the rapid increase of crops are now awakening their interest and attention that they may find an outlet, a market, when these crops shall become so large as to affect the markets unfavorably.

Here, the attention of the cultivator should be awakened, grand as this country is, immense as her population will be in a few years from the increased immigrations, yet the fertility of the soil—the better understanding of the nature of it and the superior advantages arising from the use of Implements of the highest character—it will be found that the produce of the country will more than keep pace with the increase of population and then will be found a surplus of the products.

It will then be a question of great moment to the cultivator, What shall be done with the surplus produce of California?

We have no fear that the agriculturist will not always be amply repaid for his labors (those that have been judicious) however abundant the crops may be or however extensive the railway facilities for the immigrations from the old states to come, may still continue as heretofore—yet we shall for many years receive a large and still increasing population from England, France and Germany, and from China we can hardly dream the influx that circumstances now operating *there*, may throw upon our shores.

And may not Japan and still other Nations not yet revealed as among our population flow in upon us?

With these considerations we have no fear of the results of the agricultural interests, this is the GREAT INTEREST of the Country, it is the basis upon which the permanency of this Commonwealth will be founded.

Were the "Gold mines" the only source of wealth, and had this interest alone have been the promoter of the varied trade and traffic, we should have had but little improvement in our City, and the many large cities that have arisen and will arise throughout the length and breadth of our land, would never have existed.

Agriculture has built more cities, established more "homes" reared more churches, built more school houses, Academies and Colleges—than all the "gold mines" of the world—for however abundant may be the yield of the mining interests gold itself becomes valueless in the hands of a civilized people unless it can be dispensed for the comforts and blessings of a "Home," and where can "Homes" be made, where there is no agriculture.

The discovery of the immense fertility of the soil of California give to the new settlers a disposition to make this country their "Homes" it is the certainty that all the comforts so necessary arising from this valuable interest are to be found here, that induced the thousands to make this land their adopted "Home" and to *Agriculture* more than any other Interest may we now attribute the greatness of the prospects of "Francisco" and the other principle cities and the whole country.

The more this Interest is fostered and cherished the greater will California become, and the vast amount of her soil now uncultivated, her hills, vallies and mountains will ere long become fruitful fields teeming with rich products—that now are uncultivated and unknown here—the valley of the far famed Sacramento will have its Coffee, Tea, Sugar, Rice and Tobacco plantations, and the Sacramento River will be to California in fertility what the Nile is to Egypt.

The immense crops that must be harvested in coming years will demand an outlet, and this will be found in new channels of trade laid open by means of the Great Pacific Railroad.

The vast amount of labor required for many years in the construction of the road and the great extent of the line of travel and communications opened will require productions from this country long before the new settlements ever become producers, the advantages this country possess now by her facilities of agriculture will give her for many years the advantage over all competition in the new opening along the entire road, for it cannot be supposed that much attention will be given to agriculture for years after the road is open, or *Depots* or *Towns* are built along its entire line.

Here there is one source of relief to *Farmers* for his overplus of produce, and with this opening we may expect others verging along the entire lines to points yet unknown, but destined to become great "Marts of Trade," to which we can safely look and on the steadily rising, as this country will inevitably become by her abundant supply one of the granaries to which they will look for their produce, for California is destined to become the "Garden of the World."

If the time would permit we could furnish statistical tables showing the amount that could be found as the surplus of our great staples in the coming years—but we trust we have given sufficient data to enlist the attention of your Committee to a subject we believe of greatest moment to this State and Coast.

WARREN & CO.

WHEAT ELEVATOR AND CLEANER.

The California Dry Dock Company have lately erected at their Mission Rock warehouse, a wheat cleaning apparatus that is intended to work a revolution in the grain trade of the coast. This is the first of the kind introduced west of the mountains, and as a means of cleaning and grading wheat, it cannot fail to come into general use, and thereby benefit not only the shippers, but the producers of the millions of bushels of wheat produced on the Pacific Slope. In a portion of the large warehouse accessible to ships, has been built a huge receiver, into which the wheat is poured care being taken to select different grades or qualities, as it may be desired to raise or lower the standard. This wheat, as it is poured into the hopper is found full of straw, oats, barley, cheat and other impurities. From this hopper the wheat is elevated thirty-two feet by means of a continuous belt, to which is attached 50 buckets, each bucket having a carrying capacity of nine pounds. This belt makes 100 revolutions per minute, so that it will at once be seen that the wheat is rapidly elevated at the rate of 21 sacks a minute to the required height. Here it is deposited in two bins 4x6 feet, from whence it runs into two separate cleaning machines kept in rapid motion, and the wheat is soon separated from its impurities, thoroughly mixed and deposited in another bin, which has a capacity of thirty tons. This bin in which the wheat, thoroughly cleansed and deposited, is provided with eight spouts, and from it men are engaged in bagging the now purified wheat. Thirty men are in this business and the work is done thoroughly and expeditiously. The Produce Exchange of this city having fixed the grades of wheat, the Mission Rock Warehouse is enabled by the process to bring their wheat up to the standards fixed by this Exchange—which grades wheat into first, second and third varieties—No. 1 weighing 62 pounds to the bushel, No. 2, 60, pounds, and No. 3, 58 pounds. The effect this new departure in the wheat trade on this coast will have upon the European market is easily discerned—a better article of wheat will be forwarded at a less expense, and the return in coin will be correspondingly increased. J. W. H Campbell is the prime mover of this business, and deserves considerable credit therefor. Two ships are now loading at this Dock with standard wheat. Success to the enterprise.—*Commercial Herald.*

OUR ILLUSTRATIONS.

We present above one of the handsomest "Group of Swine" ever pictured, generally it is hard to call a *Hog* a handsome creature, but when we contrast the really handsome animals above with the long snouted, coarse haired, cross and savage creatures of former times, we think every one will give due praise to C. F. Mills, Esq., originator of the Improved Berkshires shown here, and we think all who wish fine Stock of this kind should by all means endeavor to import some of this Stock from Mr. Mills.

RHUBARB WINE.—We have samples of the "Rhubarb Wine" advertised by us in the FARMER, to which we call special attention of wine dealers, as we have it on sale at our office.

The *imports* of foreign cheese at New York for 1878 aggregated $382,097 in value.

Foreign Correspondence.

PAPEETA, TAHITI, December 5, 1878.

COL. WARREN—*Dear Sir:*

I notice by the papers the appalling and dreadful fulfillment of the prognosis I made in your paper on the 27th of June last, so far as I referred to "Yellow Fever." The dreadful carbonic acid gas generated rapidly in the lower part of the Mississipp river valley, owing to the moisture, heat, etc., has developed the minute aerial fungi in immense quantities, which being breathed, drank and eaten by the people there, are causing a most awful destruction of the human race in that region. Whenever a number of causes work together to produce a great accumulation of carbonic acid gas, and favors the growth and decay of vegetation, we must expect these dreadful visitation of disease. As carbonic acid gas is heavier than our ordinary atmosphere, it will settle in low places, and when it is assisted by heat, moisture, etc., its effects are extremely bad. High locations, dry, cold and airy, should be sought for in such calamities. Lying near the ground in tents, by people fleeing from the infected cities, is a bad plan. Our medical men and medical science are lamentably weak on these subjects of pestilence as they are on many others.

I see also that my prognosis in regard to the phylloxera had also an awful fulfillment in France. The find that where their vineyards have been destroyed by the phylloxera, the land refuses to produce anything else. Mr. C. A. Wetmore, writing from France, in his letter to the *Alta California*, published in that paper on the 26th of November last, says that a large owner of vineyards which had been killed, told him that the land now refuses to produce, or only gives him 3 for 1, instead of 200 or 300 fold. And Mr. Wetmore in the same letter says: "That while there is the greatest dispute as to the value of many proposed remedies, all agree, that when the land is properly manured with potash and well taken care of, the vines however severely attacked do not die."

Until these facts are perfectly understood and acted upon, distress and suffering must continue, and you must continually warn your farmers and vine growers upon this subject, or they will suffer the consequences.

Yours, etc.,

THOS. CROFT.

[The above letter did not reach us for many weeks, else we should have given the important information to our readers at earlier date.

We cannot omit to improve this opportunity to remind all who are sufferers by those fatal gases which prevail in lowlands, that there is a certain remedy for this by planting the Eucalyptus trees, and when the disease appears the "Eucalyptus Remedials" will arrest the disease and save life—try it and the truth is fully established.—ED. F.]

Oakland Ferry Income.

A nice little income is earned by the Oakland Ferry Line, the average travel has been over 15,000 passengers per day—the total number of passage carried in 1878 was 6,981,978 and the income of the year from this was $584,473,00.

Well! they deserve it, for it is the most prompt and best regulated Ferry Line in the United States and these Ferry Boats the most convenient.

GREAT INTERNATIONAL EXHIBITION, SYDNEY.

We have been favored by our courteous Correspondents at Sydney with descriptions of the plan of the Building now in process of erection, and the efforts making to have a Grand Building and a very successful Exhibition,

We publish a portion of the preparatory work and shall give more details as they come to us; the Exhibition will be held in August, and offers a great opportunity for the manufacturers, inventors, mechanics and producers of this Coast to make themselves and business known:

This building is to be built in the Inner Domain, and designed to suit what may be termed a site of almost matchless natural beauty; overlooking the Botanic Gardens, the waters of Farm Cove, and the pleasant anchorage of her Majesty's Australian squadron; but, from its rapid slope, it presents considerable difficulties to the erection of a building suitable to Exhibition purposes. These difficulties have been overcome by facing the building towards the north-east, following as far as possible the contour of the ground, and taking advantage of the fall to obtain on the north-eastern front—as seen in our view from the harbor—two stories, but at the rear, or south-western front, toward Macquarie-street and Governor Burke's statue, one story.

In plan the building will have a nave 800 feet long and transept 500 feet long, 50 feet wide, and 50 feet high; surrounded by a gallery 25 feet wide on either side, and of similar length, will be aisles 50 feet wide and 25 feet high; and on the south-western side 450 feet by 100 feet, 25 feet high; on the north-eastern side a basement about 1000 feet long, 75 feet wide, and 20 feet high.

At the intersection of nave and transepts a lofty dome, 112 feet diameter, and top-towers 50 feet square at each of the four main entrances, will break the horizontal line of this vast structure, erected to afford a fitting although temporary home for the rare examples of industry and art from the various quarters of the world and our neighboring colonies. The total floor-space provided will be 7½ acres; the basement, 1½ acre; ground-floor, 4½ acres; and the galleries, 1½ acre, to which refreshment-rooms can be added. The building is designed so that it can be reduced or extended if necessary without marring the effect. The basement will be lighted from lofty side windows, the aisles and annexes from the roof, the nave and transepts from the clear story, and the whole ventilated by a novel arrangement for the delivery of fresh air vertically.

Water will be laid on all round the building outside and in, with ample power of extinguishing fire on its first appearance. The drainage will be carefully attended to, and the electric light used to enable the workmen to proceed night and day, if required, to complete the building in time. The design is by Mr. James Barnet, the Colonial Architect, under whose superintendence the structure is being erected.

Applications for space are pouring in from every quarter, both at home and abroad. It is impossible to give even an approximate estimate of the amount of space needed to meet demands up to the present time, as most of the applications are to know what space will be allowed. There are very few applications for a stated area. It is interesting and satisfactory to know that there will be no lack of British and foreign exhibitors, to judge from the telegram received by his Excellency the Governor, and read at the last meeting of the Commission, by which it appears that there is a demand for about 250,000 superficial feet, or nearly two-thirds of the estimated floor-area of the main building. The Executive Commissioner (Mr. P. A. Jennings) received an application for space from Messrs. Rabone, Fees & Co., on behalf of the celebrated Eau de Cologne manufacturer, Johann Maria Farina, who intends to exhibit, and also, we understand, to erect a fountain of perfumed water similar to the one which proved so attractive a novelty at the Great London Exhibition.

The work of erecting the building is proceeding apace. At present about 100 men are employed on the ground digging shallow trenches for the brick foundations, raising a sawmill on the lower portion of the ground for Messrs. Hudson Brothers, laying down pipes to conduct water on to the ground for building purposes, erecting a galvanized iron fence on the southern side to keep out idlers, and otherwise carrying on the work of preparation. It is intended that the Botanical Gardens and the Outer Domain shall be made accessible from the Exhibition Grounds, so that there will be no lack of open space for the accomodation of visitors.

We understand that Mr. Augustus Morris has accepted the office of general secretary to the Commission.

In order to bring more clearly before the Commission the relative size of the proposed Exhibition Palace, a paper was submitted showing the size and cost of the various Great Exhibition buildings erected since 1851, and also an estimate of the one proposed to be erected in Melbourne in 1880, together with ground-plans and drawings of the Philadelphia and Paris buildings.

The capacity and space of all the "International Buildings" since 1851, are given, the space for this Building at Sydney if 340,000 feet.

The meeting appointed very able men to serve on the various committees, of which there were 15 departments.

It is worthy of note to say the Government aid is about $500,000 to this work.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have corn to sell and to keep.

HOW WE SAVED THE OLD FARM.

CHAPTER I.

"Now, Helen," said my uncle, as he leaned back in the great rocking-chair, and carelessly jingled the ponderous seal upon his massive gold chain with his left hand, "I have been thinking this matter over ever since I heard of poor William's death, and I have made up my mind just what is the best thing for you to do. You might sell the wood off, and sell the stock and tools, and in that way pay the mortgage; and then you could live a few years by selling the hay, with what those boys could earn, but the farm would be growing poorer and would not sell for so much as it would sell for now, and my advice would be to make a clean sale of everything now, and pay off the debts, and get a little place in Blackington, where the boys could go to work in the factory; and upon what they earned, and upon what you would have, you could live quite comfortable. And if you felt able to take a few boarders, with Alice to help you, you might make a good thing in that way, I dare say."

And Uncle Robert, who was a prosperous merchant in the distant city of Woodville, and an influential man there, looked as if the business was all settled to his satisfaction, and nothing more remained but to carry out his plans. I, the before-mentioned Alice, a girl of thirteen, who had a keen dread of leaving our old home, which I loved so dearly, but with too much awe of my energetic, loud-talking uncle and his gold seal, which I had always looked upon as if it were a badge of authority, to venture any remonstrance, glanced anxiously at the other members of our family circle to see how they received it. Mother, in her newly put on widow's weeds, looked as if the very thought was an additional distress to her, and yet as if she knew not which way to turn or what to do. She had always been used to having my father decide upon all matters of business, and although, like most New England farmers' wives, she had always been ready to "have her say" upon all matters, yet she would have been astonished if she had thought that anything depended entirely upon her will, and would not have known what her will really was. I could see that she did not want to leave the old farm, but I knew any real opposition to the plan must come from some one else who could offer a better plan.

Ned, my playmate, my brother, scarcely a year older than myself, was already exclaiming against going into the factory village; but it was to Clarence, a boy of sixteen, one of those rare ones who seldom spoke until he had well considered what he had to say, and who usually ended by having things his own way, because he felt sure that way was right, and he never gave up although he made no violent opposition to other people, it was to him I looked next as the one who would decide the question. He said nothing, but the contraction of his brow, and the lips which were firmly closed, as was his habit when he was thinking intently, gave me an indefinite sort of encouragement that he had some other plan, which he would bring forward when he had fully considered it.

"I don't know what is best," at last answered my mother, sighing heavily, "and I have no doubt you are right; but I do not like the idea of giving up the old place, where I have lived with William for eighteen years, and where the children were born, and which has been in the family so long; I must have time to think it over and to make up my mind to it, if it must be."

I could see Clarence's face light up, as if the time to think it over was just what he wanted, but my uncle impatiently exclaimed:—

"What is the use of thinking it over? Can't you see that it is just what must be, if you think it over for a year? And the longer you wait, the worse for you. Now I am here, I can give you my advice about what to do and how to do it, and I might see some one in Blackington to-morrow, as I go back, who would look out for a place for you there by stopping over a train, though I ought to get back to Woodville as quickly as possible. But I cannot very well come down again this winter it is so far and such a cold ride, and I must be very busy now looking out for the spring trade, which I hope will be better than it has been for a year past. If it is not I cannot tell how I may come out, for it is a hard time for me to get money to meet my bills."

I was ungenerous enough to look upon that as a hint which was calculated to put a stop beforehand to any appeals to him for aid, but I may have been wrong. It was the hard winter of 1857, when many business men felt as despondent as Uncle Robert. At any rate it was not needed, for my mother would not have thought of making such application even to him, her only brother, unless we had been suffering for the necessaries of life.

"Well," said my mother, "I cannot decide it to-night. I am too tired to think now, and I must think of it and talk it over with the children, and perhaps with Mr. Grey, before I do anything."

"Much these children know about such things, and a farmer who never was out of the county will not know much more, I suppose: but you can have your own way," said Uncle Robert, indignantly, and in a tone that said as plainly as words that we should get no more advice from him unless we asked for it. And then the conversation drifted upon indifferent subjects, while Ned pouted, with the tears occasionally starting from his eyes as he thought of leaving our dearly beloved home. And I, instead of going to him for sympathy as I would have done if we had been in trouble of a more trivial nature, crept close to Clarence and put my hand in his, feeling as if I relied upon his stronger will for strength to resist against being further bereaved.

We had that day followed to the tomb the mortal remains of our father, who had been taken from us suddenly. Only a few days before he had left us well and strong as usual, and gone to the Corners with a load of wood, and before night the minister of our little church had come in and gently broken to us the news that he had been found dead upon the road, having apparently fallen beneath the wheels of the wagon in such a way that the wheels had passed over his neck and broken it instantly. What caused the fall none knew.

Our father had been taken from us, and now to try to take away our home and put us down in Blackington, a village where I had been a few times with my father, as it was only eight miles from us, where I seemed to see my brothers growing to look like the boys I had seen coming to and going from the factory; with faces black as they came from work or pale and peaked after they washed the black off; with pipes in their mouths, or still worse, with tobacco juice staining clothing, uttering oaths and coarse jokes, regardless of those who were in hearing; even a vision of myself, like a girl of about my own age that I had once seen there, quarrelling and actually swearing at some one who might perhaps have been her mother, who was calling her to come home. No, no, it was too dreadful. I think if I had been offered a choice to go there or go to the poor-house, where good-hearted, though rough, Uncle Tom Hardy ruled over and cared for the half-a-dozen aged and infirm, and poor crippled Sally Jones and her two quiet children, I should have hailed the poor-house with joy. I knew it well, and it was not so awful;—but Blackington seemed full of unknown dangers.

And now let me tell you something of ourselves that you may know into what society you have been so unceremoniously introduced. My grandfather, on my father's side, was descended from one of the early settlers of Brookfield, where we resided. It was a quiet country place, a half-dozen miles from any railroad. No village had been formed in Brookfield, or nearer than Blackton, eight miles away, though at Brookfield Four Corners, some two miles from us, was the blacksmith shop, the old stage tavern, and the grocery, which was also the post-office. At the tavern was also a public hall, where an occasional lecture, dance, or show of some sort sometimes appeared to break the monotony of our quiet existence. Elsewhere through the town the houses were scattered at irregular intervals along the road, mostly standing a little back from the road, with old orchards around them, and barns near by where cows lowed and pigs grunted or squealed at feeding time. The people within a mile either way were neighbors, and the farmers borrowed and loaned tools and carriages and teams, and exchanged spare-ribs of pork and legs of beef at killing time, and changed works in planting or hoeing or haying time, without often figuring up to see just how the account stood until death took one of the parties and so balanced the account. And the farmers' wives and mothers tripped back and forward, with shawls or aprons over their heads, in the twilight to gossip, and compare calico, and borrow drawings of tea and cups of sugar or molasses of one another, to be conscientiously repaid when their husbands should get time to go to the Corners again.

Here my grandfather—Thomas Reynolds—had owned a large tract of land, from which he had given my Uncle Thomas, his oldest son, the land which was now his farm upon which he lived, just north of ours. For the next son, Uncle James, he had sold some outlying lots and some of the cattle and raised five hundred dollars, which James had taken as his portion and departed for the West. He had first settled in Western New York, then moved to Ohio, and, when last heard from, had sold out there and was going to the newly discovered land of gold—to California. No tidings had come for many years, and we had long thought of him among those who had perished upon the plains in the endeavor to reach the gold regions, or had succumbed to the hardships of the mines.

Aunt Matilda, the only daughter, had married James Grey, the son of old Squire Grey of the neighboring town, who was now a squire himself, and a well-to-do farmer, with better barns and better fields than any in Brookfield, and good stock of improved breeds and patent tools of all sorts, which he was perpetually praising as being so superior to those possessed by his humble neighbors that they would pay their cost in one year, sir," as he confidently asserted. However, as he kept no strict account of profit or loss, and had interest and rent coming in, people received his praises of improved farming with a little mental reservation, and said "it was all very well for the squire to do so, but poor farmers must go more carefully, and make less if it must be less." And while the squire, as became a man of property, was a man of great influence in town matters, and esteemed as shrewd in advising other people in matters of business not connected with farming, yet he could not persuade the farmers to mount any one of his hobbies. He was generous and liberal to a fault toward all with whom he came in contact if business was not attempted, but he was sharp in trade and a most exacting creditor. It was to pay off the marriage portion of five hundred dollars, which my grandfather had promised Aunt Matilda, that father had placed that mortgage upon the farm; borrowing the money of the squire to pay his wife, when grandfather gave him the deed of the old homestead. When father had brought home to the old house the pretty Helen Talbot, the school-teacher in our district one term, and presented her to his father as his wife, then grandfather resigned control of the farm and gave my father the deed of it, upon condition of a support while he lived, and the payment of the before-mentioned sum to Aunt Matilda when he died. And here father had lived and managed the farm very much, I fancy, as his father had done before him, saving not much while the children were small, especially while grandfather lived, and then at his death came the mortgage, of which the squire had rigorously demanded the interest every year; and if father had any money left one year, after paying interest and taxes, the next year he perhaps had to sell a cow or a hog to square up. And so, at his death, we had the farm, the stock and tools, and the mortgage as our inheritance.

The winter before the one on which my story opens, father and Clarence had cut the wood off the north lot, and had sold it to a man at the Corners, and it was nearly the last load which father had carried upon that last day of his life, so that we felt sure of having money enough there to pay all funeral expenses and live upon for a short time, for our wants were not many. We had beef and pork in the cellar, and potatoes and pumpkins, and in the crib there was a good supply of corn and rye, and hay and corn-stover in the barn for the cattle, and the cows would give us plenty of milk and butter, and the sale of butter and eggs would supply us with groceries, for a while at least. So, when in the morning Uncle Robert, as he hurried to get away for the morning stage from the Corners, ventured to repeat a little of the advice which he had urged so persistently the night before, my mother could afford to reply: "No need of hurrying about it, Robert, we can stay here awhile longer yet, I trust, and we may see a better way yet."

And when he had gone, mother and I went about our work of clearing up and putting away, and our domestic duties, stopping, now and then, for a quiet cry together, as some article came to hand which too strongly brought to mind the great loss we had met. And the boys went to the barn and the woodpile, where we could see from the window that they were in earnest conversation about something much of the time, Clarence doing the most of the talking, I thought, which was contrary to the usual custom when they were together. I say we could see, but I doubt if my mother noticed it; but I did, and wondered what it meant. At noon and at supper I looked for something from Clarence upon the question of going to Blackington, but he was about as usual, only, as I thought, a shade more quiet. He seemed to have a load of care upon his mind which was not there before, while Ned, though quiet, seemed to have become more manly all at once. It was not until evening came again, and we had gathered once more in the little sitting-room, with mother knitting (an occupation which she had not tried since the shock came upon her; but which she would have gone to the evening before if it had not been for the restraint of Uncle Robert's presence. It was the unwonted idleness of her fingers which had made so at a loss that night, I thought) and me with my book, that the third plan was unfolded.

[TO BE CONTINUED.]

MARBLEHEAD MAMMOTH

CABBAGE.

There being a good deal of seed in the market raised from very poor stock, which must fail to give satisfaction, having been the original introducer of the Giant Cabbage, which when raised from the right strain of seed under proper cultivation, has been grown to weigh *over 60 pounds* to a single plant, and sixty tons to the acre, I now offer seed to the public that has been raised by myself, with peculiar care all of it from extra large, extra solid heads. The Marblehead Mammoth is not only the largest, but is one of the most crisp and sweetest of all varieties of the cabbage family, as will be seen by extracts of letters to be found in my Seed Catalogue, where my customers state that they have raised cabbages from my seed that have weighed 40, 45 and 50 pounds each. Full instructions for cultivation sent with every parcel of seed. Seed per pound $5 00; per ounce, 50 cts; per half ounce 25 cts. My large seed Catalogue sent FREE to all applicants.

49-4t JAMES J. H. GREGORY, Marblehead, Mass.

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49-3

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IN UNIVERSAL USE THROUGHOUT THE EASTERN and Western States, and acknowledged far superior to any other brand of factory-filled salt.

Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March

"A sack of salt contains 7,168 half-ounces, therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $1,800. A sack of Ashton's salt costs about $1 per sack more than ordinary brands of factory-filled salt; therefore, is there any gentleman who would risk the saving of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $13, for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"

For sale by
WILLIAMS, BLANCHARD & CO.,
218 CALIFORNIA STREET,
Sole Agents for Pacific Coast.

48 10

J. M. NEVILLE. G. H. BRYANT.

NEVILLE & CO.,

Bag, Tent and Hose Factory

33 CALIFORNIA STREET,

South-East Corner of Davis Street,

San Francisco,

[Removed from their old place, 115 Clay Street, to their new and enlarged accommodations.]

IMPORTERS, MANUFACTURERS, AND DEALERS IN ALL KINDS OF

Bags, Burlaps, Duck,

Canvas and Cottons.

S. P. TAYLOR & CO.,

416 CLAY ST.,

Between Sansome and Battery,

SAN FRANCISCO

MANUFACTURERS AND DEALERS IN

Printing,
Hardware.
Manilla, and
Straw Papers,

PAPER BAGS,
TWINE, ETC.

Depot of the Pioneer

—AND—

EAGLE PAPER MILLS.

48.19

SCAB AND TICKS

IN SHEEP.

S. H. KENNEDY'S

NON POISONOUS

SHEEP DIP!

Manufactured by

S. H KENNEDY, Omaha, Nebraska, eradicates the pest. This is the only dip that adds to the staple and value of the wool. It will cure the most obstinate cases—diluted 150 parts hot water, and will not cost A CENT A HEAD each dipping. Packed in ONE and FIVE GALLON TIN CANS.

Dip Scabby Sheep in the Early Spring and Summer as that is the time to eradicate the disease from the skin. Fall and Winter dipping will not cure the Scab. It only holds the disease in check, in the Fall and Winter months, the insect that causes the Scab is forcing his way so deep into the true skin that he cannot be reached or destroyed, while in the early Spring the insect comes to the surface of the skin and is easily eradicated by one or two dippings in my Sheep Dip.

Price per Gallon:

TOBACCO DIP..... $2 75
HEMLOCK DIP..... [illegible]
NON-POISONOUS DIP..... 2 25

BOOK SENT FREE TO SHEEP GROWERS,

Address,

S. H. KENNEDY,
OMAHA, NEBRASKA.

Kennard & Forsyth,
Wholesale Druggists and Gen'l Agents,
OMAHA, NEB.

J. McCRAKEN & CO.,
PORTLAND, OREGON.

JAMES MOORE & CO.,
SAN FRANCISCO.

Agents who Sell at Manufacturer's Prices.

49-1

THE RANDALL

Pulverizing Harrow.

UNEQUALLED FOR CROSS PLOWING.

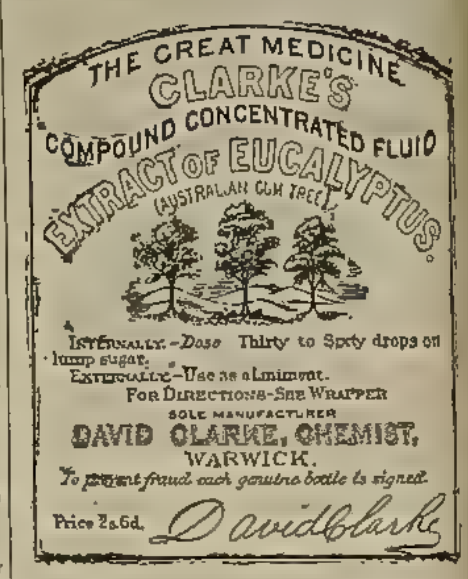
Over 10,000 in Use.

Local agents wanted. Descriptive circulars and price list free on application.

Address
Griffith & Burke,
Yolo, Yolo County, Cal.

45 2t

The Great Medicine!!



We have appointed for the sale of this Medicine advertised our columns the following

AGENTS:

A. M. COLE,
APOTHECARY AND DRUGGIST,
GEN'L AGENT FOR STATE OF NEVADA.

JUSTIN GATES & CO.,
APOTHECARY AND DRUGGIST,
AGENTS FOR SACRAMENTO COUNTY

H. BOWMAN,
APOTHECARY AND DRUGGIST,
AGENT FOR OAKLAND.

RHODES & LEWIS,
APOTHECARY AND DRUGGISTS,
AGENT FOR SAN JOSE.

M. J. DOLYE & CO.,
SANTA CRUZ,
AGENTS FOR MENLO PARK.

J. W. JONES,
DRUGGIST,
AGENT FOR BENECIA.

DR. E. S. HOLDEN,
DRUGGIST,
AGENT FOR STOCKTON.

HODGE, DAVIS & CO.,
DRUGGISTS,
AGENTS FOR PORTLAND, OREGON.

DR. D. L. MORSE,
DRUGGIST,
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DR. L. H. CUTLER,
DRUGGIST,
LIVERMORE.

JOHN WOLFE,
DRUGGIST,
AGENT FOR SAN RAFAEL.

GODBE, PITTS & CO.,
DRUGGISTS,
SALT LAKE CITY, UTAH.

E. ELLIOT,
SANTA CRUZ,
TRAVELING AGENT.

J. WIDNEY,
MERCHANT,
SANTA CLARA.

The Remarkable Cures which have been effected by the Wonderful Remedials, known as CLARKE'S EUCALYPTUS REMEDIES from Australia, have, and are exciting a great influence among all those who have long been sufferers by those terrible sources of suffering, RHEUMATISM, NEURALGIA, DYSPEPSIA, and FEVER AND AGUE.

These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.

Be sure you ask your Apothecary for the true Medicine, DAVID CLARKE'S EUCALYPTUS PREPARATIONS The only Genuine article.

WARREN & CO.,
SOLE AGENTS FOR THE UNITED STATES.

Remitting Money.

We desire those who Remit us Money, to send it either in Checks on our *Banks here*, or by Post Office Order, or Green backs.

We desire this *specially* of *Newspaper Agents*, or others abroad who send *their Checks* on Home Banks—this occasions delay or expense to us in collecting, while it is just as easy for them to adopt the way we point out, and send us Cash Currency. These are our terms.

WARREN & CO., Publishers FARMER.

Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

NEW PLANTS.

DAHLIA IMPERIALIS.

We have several times made note of this comcomparatively new species, and its probable value in out door gardening. It appears it is also useful ful in conservatory decoration. A correspondent of the *Garden* says: "One of the most interesting and beautiful plants in flower at Kew, at the present time, is this truly Imperial Dahlia, some specimens of which are flowering freely in the palm house. It is difficult to intelligibly describe without an artist's aid the chaste beauty of its flowers, so different are they from those of the ordinary garden varieties. The flowers, which are single, are born in loose terminal clusters, and assume a somewhat nodding position. They measure about 6 inches across, and have many narrow pointed ray florets of a pure white color, tinted with carmine at the base, colors which contrast finely with the bright yellow centre. The foliage, too, is handsome, being much larger and more divided than that of the ordinary dahlia. Altogether it is a stately plant, forming specimens from six to eight feet, though perhaps this is a point which deters many from growing it, as it requires the protection of glass in order to flower it, though it may be grown outside until early frosts set in. It is to be regretted that this fine plant produces its flowers so late that they cannot be enjoyed in the open air in our climate. Something, however, might possibly be done in the way of hybridizing it with earlier and dwarfer species, and notably with the beautiful little D. Glabrata, which, being of very dwarf habit, would probably infuse a dwarfer growth into the D. imperialis, while the color of the flowers might not be materially affected by it as those of glabrata are almost pure white, varying to deep mauve."

[This choice plant will do well in California and make a grand show flower.—ED. F.]

SWEET VIOLET, THE WHITE CZAR.—This is a new variety of the well-known violet "The Czar" so largely grown for the market on account of the size of its flowers and the length of their stalks, their fragrance and their abundance. To these advantages the new variety adds the merit of having white flowers, which come into market at a season when white flowers are very scarce.

SEEDLING CARNATION.—Mr. Wm. A. Bock, North Cambridge, Mass., writes: "I send by this mail samples of flowers of a seedling carnation which I have raised. I have tested it now two years and find it to be a very profuse bloomer, and of very dwarf habit.

PHYLLOXERA---THE VINEYARD PEST.

Here in California we fear there is too little thought or attention paid to this fearful scourge of the Grape vine, and if there is not an early awakening here to this evil we may rue it, when it will be too late to stay its progress, as the case in Europe.

It is a fact that this pest is in many Vineyards of our State, but even the owners do not like to admit it, and have given it little or no attention, we have the following facts from our Correspondent in Europe to show the fearful ravages there, and we earnestly hope to see some movement among our Vineyardists here to arrest this evil before we shall suffer in California as they have in Europe.

"The appearance of the *Phylloxera Vestatrix* has caused great consternation among the vine growers here. It is estimated that over 150,000 vines have already been destroyed, and yet no very great efforts are at present being made to stop the progress of this destructive insect. It is, however, expected that the Spanish Government will come to some determination in this matter without delay.

Very recently however the French Government have authorized the Minister of Agriculture to at once make every effort to discover a remedy for this terrible scourge, and have placed at his disposal a credit of 50,000 francs or £2000—$10,000.

Here is a nice little reward to the fortunate man or it may be reserved for a *woman* to discover a remedy) who shall rid the Vineyards of the world of the worst plague that has ever yet appeared upon this interest.

We are glad to know that recently efforts are being made by scientific research among the chemical compounds for a cure for this evil, and a triumph to the owner of the Prize offered by France, to which undoubtedly other Governments will add rewards also.

Planting the Fever Tree in Cyprus.

Sir Garnet Wolseley has kindly promised Col. White to ask for £3000 for planting Eucalyptus trees round the salt lake at Larnaca, and fencing it with wire fencing. The Commissioner is already making experiments, and has a considerable plantation; but it seems strange that, for the sake of showing a surplus, such necessary works should be left so long untouched. All this time the trees might be growing, and Larnaca might be healthier in consequence next year.—*London News.*

TO START TUBEROSES.—I plant them in old tomato cans, without punching any holes for drainage, set them on the mantle over the kitchen range, and keep warm and wet. When well started I move them to a cooler place, and at the proper time set them out in the garden. In this way I have raised during the past two years vigorous plants, yielding from twenty to thirty-five blossoms each.—*Vick's Monthly.*

WARD'S FERTILIZERS.—These very superior kinds of *Fertilizers* and also *Insect destroyers* should be universally used upon plants and flowers

VICK'S ILLUSTRATED MONTHLY MAGAZINE

Each Number contains THIRTY-TWO PAGES of reading, many fine Wood Cut Illustrations, and one COLORED PLATE. A beautiful Garden Magazine, printed on elegant paper, and full of information. In English and German. Price, $1.25 a year; Five copies $5.00.

Vick's Flower and Vegetable Garden, 50 cents in paper covers; in elegant cloth covers $1.00.

Vick's Catalogue,—300 Illustrations, only 2 cents.

Address, JAMES VICK, Rochester, N. Y.

Felix Gillet's Nursery

NEVADA CITY, CAL.

I offer for sale trees of the following varieties of fruit introduced by me in California, and most all on in full bearing on my grounds, viz:

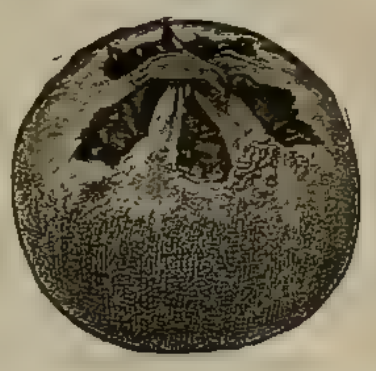
PRŒPARTURIENS WALNUT,

The most precocious of all soft shell varieties of Walnut bearing even when three years old, hardly never frost bitten, a late bloomer, and very productive. First bearing tree in California—at Felix Gillet's Nursery, Nevada City. Fourth crop, 1878.

One Year and Three Year Old Trees for Sale.

One Year Old Trees sent by Mail, at Catalogue Prices, in two feet long packages, Roots 12 inches, Stalk 12 inches.

LATE OR SEROTINA WALNUT,
AFTER SAINT JOHN WALNUT,
MARRON DE LYON CHESTNUT,
MARRON COMBALE CHESTNUT,
ITALIAN,
SPANISH, AND
ENGLISH FILBERTS,
BLACK MULBERRY OF SPAIN.
MEDLAR (*Monstreuse,*)



The largest of all Medlars, standard trees, budded on the White Thorn, five to six feet feet high and ready to bear.

Also, over one hundred varieties of Fruit Trees of all kinds, many of them introduced in California by the undersigned.

Forty varieties of Strawberries, (French, English and American), with full descriptive in Catalogue of 17 varieties carefully selected from 64 varieties tried on my place these last nine years.

Send for Descriptive Catalogue and Price List.

FELIX GILLET, Proprietor.
48:24

SPLENDID

WEEPING TREES.

It may not be known generally that by the aid of science, all the finest kinds of our DECIDUOUS TREES, used for Ornamenting Grounds can now be had grown in the beautiful pendant form, graceful as the Weeping Willow.

The following, of very extra size and form, can now be had for planting this Autumn.

The WEEPING BEECH, MAPLE, BIRCH, ASH, ELM, POPLAR and LINDEN these are the most beautiful Ornamental Trees known, adding grace and beauty to the surroundings of every home and increasing the value of every estate where they are planted.

The plates and drawing, showing these trees in their growing condition, can be seen and these trees secured on applying to

Warren & Co.,
320 CLAY STREET, S. F.

SANTA CLARA VALLEY

Nurseries,

ESTABLISHED 1853.

Trees--Plants--Shrubs.

I OFFER FOR SALE THIS SEASON A LARGE AND well assorted stock of Fruit Trees, Shade Trees, Evergreens, and Shrubs; also, Palms, Camellias, Azaleas, Japan Persimmons, Roses and Greenhouse Plants in great variety.

PEAR SEEDLINGS, fine.....	$15.00 per 1000
ROSES, in variety, fine..	15.00 per 100
JAPAN PERSIMMON, 5 varieties	25.00 " "
MAGNOLIA, grandiflora, 6x10 in.	18.00 " "
LAURISTINUS, 6x10 in.....	10.00 " "
CHINESE MAGNOLIAS, 2 ft....	8.00 per doz.

Special inducements to large purchasers.

Catalogues free on application.

BERNARD S. FOX, Proprietor,
San Jose, Cal.

Thomas Meherin, Agent,
516 Battery Street,
SAN FRANCISCO.
45:34 3m

VEGETABLE AND FLOWER SEEDS
WE SELL EVERYTHING FOR THIS
GARDEN
Descriptive Catalogues of 178 pages sent Free
PETER HENDERSON & CO.
35 Cortlandt St., New York.
FLOWER AND FRUIT PLANTS
SEEDS PLANTS

THE DINGEE & CONARD CO'S
BEAUTIFUL EVER-BLOOMING
ROSES

We deliver STRONG POT ROSES for Winter Bloom and Fall Planting, *safely by mail*, at all post-offices. Five Splendid Varieties, *your choice*, all labeled, for $1; 12 for $2; 10 for $3; 26 for $4; 35 for $5; 75 for $10; 100 for $13. Send for our New Guide to Rose Culture, and *choose from over* 500 Finest Sorts. Our Great Specialty is growing and distributing Roses.
THE DINGEE & CONARD CO.,
Rose-Growers, WEST GROVE, CHESTER Co., Pa.
48:18 6t

WARD'S

Fertilizer Company!

ANDREW H. WARD, Treasurer,

OFFICE: 248 Washington Street, Boston.

P. O. BOX, 3,456.

—DEALERS IN—

Agricultural Chemicals and Minerals.

—MANUFACTURERS OF—

WARD'S SEED PREPARATION.

Prevents Smut and Rust and will increase the Grain, Corn and Cotton Crops twenty-five per cent., and is applicable to all other seeds. Sufficient for one Acre sent by Mail for 50 cents.

WARD'S PREPARATION FOR POTATOES.

Increase the Yield and Prevents the Rot. Sufficient for one bushel Seed sent by Mail for 25 cents.

WARD'S FERTILIZER FOR HOUSE PLANTS
(Concentrated.)

Odorless. Enough for One Hundred Plants sent by Mail for 10 cents.

WARD'S INSECTICIDE.

(Not Poisonous.)

For the destruction of Insects and Vermin on Plants Fowls and Animals. Enough to make Four Gallons sent by Mail for 25 cents.

All the above most valuable preparations can now be found Wholesale and Retail at the

California Farmer Office,
320 Clay Street,
SAN FRANCISCO.

Warren & Co.,
SOLE AGENTS
FOR CALIFORNIA.

25 STYLES OF CARDS, with name in gold, 10 cts. J. B. HUSTED, Nassau, N. Y. 47 14 1y

My annual Catalogue of Vegetable and Flower Seed for 1879, rich in engravings, will be ready in January, and sent FREE, to all who apply. Customers of last season need not write for it. I offer one of the largest collections of vegetable seed ever sent out by any seed house in America, a large portion of which were grown on my six seed farms. *Printed directions for cultivation on each package.* All seed warranted to be both *fresh* and *true to name*; so far, that should it prove otherwise, *I will refill the order gratis.* The original introducer of the Hubbard Squash, Phinney's Melon, Marblehead Cabbages, Mexican Corn, and scores of other vegetables, I invite the patronage of *all who are anxious to have their seed directly from the grower, fresh, true, and of the very best strain.* **New Vegetables a specialty.**

48:21 12t JAMES J. H. GREGORY, Marblehead, Mass.

CHOICE

Vegetable and Flower SEEDS

GROWN FOR PRIVATE FAMILIES, OUR MOTTO I

"TEST IS BETTER THAN TALK."

GARDEN MANUAL, full of valuable articles on growing vegetables, useful hints to lovers of flowers, with price list, sent free to all applicants. Address

J. B. ROOT, SEED GROWER,
48.24 ROCKFORD, ILL.

PEARL MILLET
(THE NEW FODDER PLANT)
Yields 100 tons green — 16 tons dry per acre.
— 60c. per pint (by mail, postpaid),
$1.00 " quart " "
By express, buyer to pay charges, $5 per peck.
Statement of our experiments with it, and instructions for culture, free on application.
PETER HENDERSON & CO.
35 CORTLANDT ST., NEW YORK.
49:2

JOHN SAUL'S

Catalogue of New, Rare and Beautiful Plants

Will be ready in February, with a colored plate. Many new and beautiful plants are offered, among Draccenas, Crotons, and other fine foliage plants, with a rich collection of Greenhouse and Hot-house plants. Bedding Plants, new and choice Roses; Dahlias, etc. Well grown and at low prices Free to all my customers, to others 10c. A plain copy free

JOHN SAUL, Washington, D. C.
4:2t eot

Evergreens & Forest Trees.

AT RETAIL TO FARMERS AND PLANTER AT
WHOLESALE PRICES.

LARGE STOCK, GREATEST VARIETY, CHEAPEST AND BEST.

Send Stamp for Price List.
GEORGE PINNEY,
49:1 Sturgeon Bay, Wis.

FRUIT AND ORNAMENTAL TREES
Large Stock. Low Rates.
STANDARD PEAR TREES A SPECIALTY.
Send stamp for Trade List. AGENTS WANTED.
E. MOODY & SONS, LOCKPORT, N. Y.
NIAGARA NURSERIES. Established 1830. 48:14

FARMS, RANCHES

—AND—

LANDED ESTATES FOR SALE.

Now that we have so many settlers of the BETTER-CLASS coming to our State, those who have

Lands, Ranches, Farms,

—AND—

IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms and Libraries in the United States.

Advertisers will be wise that consult our columns.

WARREN & CO.,
CALIFORNIA FARMER OFFICE.

Florida Orange Trees.

However fine our own rich and delicious Oranges are, it is admitted that the "FLORIDA ORANGE" is one of the most delicious fruits, known the world over—clean and fine in form, thin skinned, and very delicious in its flavor.

Those who desire to enjoy this beautiful fruit, can secure a few trees of this kind just received from Florida.

Price of Trees, $1.75 and $2.50.

Apply at, or send to THE CALIFORNIA FARMER OFFICE
320 Clay Street, San Francisco, California.

U can make money faster at work for us than at anything else. Capital not required, we will start you. $12 per day at home made by the industrious. Men, women, boys and girls wanted everywhere to work for us. Now is the time. Costly outfit and terms free. Address, True & Co., Augusta, Maine. 47:22

PULLMAN HOTEL DINING CARS

THESE CELEBRATED HOTEL CARS ARE NOW

RUN OVER THE

Chicago and Northwestern Railroad

BETWEEN

COUNCIL BLUFFS AND CHICAGO

No other road now runs or has ever run

Pullman Hotel Cars,

PULLMAN DINING CARS,

Or any other form of hotel, dining or restaurant

THROUGH

BETWEEN OMAHA AND CHICAGO.

Do not be deceived by the false representations of the agents of other lines who tell you they have hotel cars on their lines west of Chicago. It is not true. No road west of Chicago has them except

THE CHICAGO AND NORTHWESTERN.

PASSENGERS for Chicago, Niagara Falls, Pittsburg Philadelphia, Montreal, Quebec, New York Boston, or any any point East,

Should Buy their Trans-continental Tickets

—AT THIS—

Pullman Hotel Car Line.

Close connections are made at Chicago with the Lake Shore & Michigan Southern, Michigan Central, Baltimore Ohio, Pittsburg, Ft. Wayne & Chicago, Kankakee Line and Pan-Handle routes, for all points EAST and SOUTH-EAST.

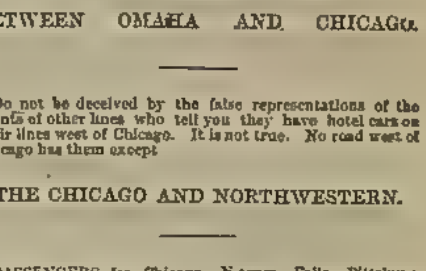
This road can give you CHOICE of ALL ROUTES from Chicago to the East. It allows its patrons to select the route they may think best. Determine the route you would like to travel over beyond Chicago, and we will be glad to sell you THROUGH TICKETS by it.

Passengers will find Tickets via this Favorite Route at the ticket office of the Central Pacific Railroad, Sacramento.

Tickets for sale in all the ticket offices of the Central Pacific Railroad.

W. H. STENNETT.....General Passenger Agent.
MARVIN HUGHITT.....General Manager

H. P. STANWOOD, General Agent,
No 2 New Montgomery Street, San Francisco.
47:11



SPLENDID

Bulbs for Autumn Planting.

Collection of the choicest of BULBOUS ROOTS can be had with descriptions of varieties and plates of flowers.

Now is the time to prepare the ground and plant all BULBOUS and TUBEROUS ROOTS in California.

These GEMS planted now will come into bloom at Christmas and New Years.

Orders for supply can be filled by the large or small quantities at

Warren & Co.,
320 CLAY STREET, S. F.

GARDEN GROUNDS LAID OUT

THOSE WHO WISH THEIR GARDEN GROUNDS RENewed and replanted, or those who desire to have Grounds Designed and laid out upon scientific principles, and with correct taste and skill, as

Adapted to this Climate,

Can have this work done to their satisfaction by calling at this Office, where all the best works on Gardening can be found, and where the various styles, both European and American can be seen. Grounds of any extent, from

ONE THOUSAND ACRES

To small gardens in our City, will be designed and laid out and the Trees, Plants, Shrubs, Vines and Bulbs all supplied of the very best variety and reliable quality, and the work done to complete satisfaction, by calling at the Office of THE CALIFORNIA FARMER.

None but educated men engaged in such work.

Address WARREN & CO.,
FARMER OFFICE.

TO INVENTORS AND MECHANICS.

Patents and how to obtain them. Pamphlet of 68 pages free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 31,
48:19 tf *Washington, D. C.*

Good Cure for Hard Times

A PLANTATION OF EARLY PROLIFIC and RELIANCE RASPBERRIES.

100,000 Plants for sale; also 200,000 Cinderella and Oriental Strawberry Plants. Millions of other Plants, Trees, etc. Everything new, novel, and rare. Prices low. Send for Descriptive Circular to GIBSON & BENNETT, Nurserymen and Fruit Growers, Woodbury, N. J.
45:3m

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, MARCH 6, 1879.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marble Building—Up Stairs.

FARMER HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms, Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, TWO DOLLARS for five lines or less of space in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half these rates. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,

PUBLISHERS CALIFORNIA FARMER,

San Francisco, Cal.

Editor's Chair.

Home.—We invite attention to the selections in our "Poets' Column" each poem a gem, that will repay a careful reading.

"Our Yosemite Letter."—We give another admirable Letter from our Correspondent in the great Valley of the Yosemite, now decked with Nature's jewels. "Anniversaries," "Street Talk" and other selections to note on same Page.

Horticulture.—"New Plants" we selected from the *Gardeners' Monthly*, these should be cultivated here, "The Phylloxera," this pest must be guarded against in this country if we would save our Vineyards—our State Government like France should offer a bounty as safety and protection.

Miscellany.—Our usual selections to please.

Agriculture.—We give Chapter I. of the splendid story of "How we saved the Old Farm" one of the most interesting stories ever written, a story told with such a pleasing and winning interest as will lead to practical labor on the farm, a story too that will win more attention than half the great sensational stories of the age—the story is written by a young farmer near Boston, and published in a neat volume by Loring & Co., Boston. The writer tells the story of "How we saved the Old Farm," and "How it became a New Farm," if our farmers will read this story and "buy this book" it will be a good heritage for their sons—there should be *ten thousand copies* of this book sold in our State—to read such a book is a rich and refreshing feast in agricultural lore, most earnestly do we commend this book.

Our Front Page.—"Railroads in early days," we call attention to this early document on our Front Page.

We call attention to the Letter from our Correspondent at Papeete, as the former letters as he states were indeed actual prophecies of what must result as he wrote them.

We have a mass of Books received with music and many Reports of value, in type laid over, also Letters of travel by Ajax, and others, which by reason of our long reports we must defer till our next.

Australian Exhibition.—All needed information of the coming International Exhibition at Sydney, can be had at Farmer Office where Australian maps, records and plates of the Fair Building can be seen.

☞SEND THE FARMER ABROAD.☜

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, if they send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a Journal as the California Farmer. We know our Journal is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the Home circle everywhere, as a Journal free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, special premiums of seeds are donated with the paper, to benefit our State.

A Magnificent Estate.

A large and very fine estate of some FIFTEEN HUNDRED ACRES with a fine Orchard of the very choicest fruit; a large Vineyard, very productive; a large number of Fig Trees, great bearers.

ORANGE, LEMON, OLIVE, and choice EXOTIC FRUITS of all kind.

This estate is located in one of the "Beauty Spots" of our State, a retired, healthy and delightful spot.

This estate will be sold at a great bargain by reason of declining health of the present owner.

Particulars can be had from EDITOR FARMER

THE SEASON---PROSPEROUS.

From every county in our State comes "Good news of the crops"—and amid all the varied clouds that fall upon business men by losses, by fire and by flood, still there is a goodly rally of hope for the coming year in an enlarged crop everywhere, and a more general prosperity among the farming interests for many years, at the last dates the rains have blessed every county and district in our State, and our farmers are jubilant, hopeful and happy now, and if they will learn wisdom by their past losses and avoid losses in future, all would be well.

BUY YOUR GRAIN BAGS NOW.

It has been said a thousand times, and perhaps *ten thousand times*, that our farmers and our grain growers will never take good advice, even when it is clear that it is for their interest to do so, they do not wish any advice, they prefer to have their own will and way in every thing.

The selling of their grain on hand, or storing it, the buying their *grain bags* in advance of the season or waiting till they harvest their grain, these are matters that our grain growers all are as set and wilful as a balky horse, they think they know all the markets of the world, know when grain will rise and when is the best time to buy bags, etc., and yet we believe that it has been clearly proved by the heavy losses our grain growers have made every year, that in seven cases out of ten they were far from showing good knowledge or good judgment in either case, and by their errors involved themselves and their families in losses and bankruptcies.

When the Grangers began their great *reform* and engaged "Morgan Sons" to be their champion to export their grain, believing the grain grower could be a *merchant* as well as a *farmer*, then their troubles began, and ever since by the system of *shipping* their own grain instead of selling it outright at the harvest, hundreds and thousands of our grain growers find themselves in a much worse condition than if they had wisely sold at harvest and paid their debts and purchased all their supplies each year in advance for cash.

If the great mass of our grain growers will go back the last ten years and review what they have done, if they will recall the opportunities they have lost every year by not wisely improving the time to *sell their grain* and the best time to *buy their grain bags*, we think they will in nineteen cases out of twenty agree that the best time to sell their grain is at the full harvest time, and the best time to *buy their grain sacks* is in the autumn or winter, in advance of the season.

Let our grain growers compare the price of wheat and barley last August *six months ago*, with the price to day, and compare the price of *bags* in the autumn of '77 and '78, and our position is maintained in the strongest sense. When will our grain growers be wise?

The New Constitution.

The framers of the *New Constitution* have enjoyed the longest *one hundred and fifty days* ever noted in any almanac we have ever seen, yet scarce a word was said of it when their time was out—or who pays their bills.

It is certainly admitted they have agitated many valuable improvements to our laws, provided they have well matured and completed them, but after all is done, the *people* at the "Ballot Box" decide the question, we certainly approve the plan of placing a copy of the *New Constitution* in the hands of every voter, so he may read, study and know how to vote.

Orange Culture.

We are glad to see our press all over the State now encouraging orange culture and other tropical fruits, they talk of it, however, as if it was something new; twenty years ago these fruits were cultivated in various places in this State and reported in this Journal, which has advocated such culture before many of these papers were born.

We have always urged the great value of *our hillsides* as the best place for such culture, as the midway slopes of our mountains were the best sheltered from frosts and storms; for ten, fifteen and twenty years past the *hillsides* have been our favorite places for orchard and vineyard culture, and for the healthiest "Home Spots" of our State.

Our Trotting Stock.

A new Association has recently been formed in our City for the purpose of promoting the true interest of a race of Trotting Horses, the great desire is to create and introduce the best horses in our State for travelers on the *road*; not mere Racing Stock, but for all purposes, and to secure fine Stock.

To this end a society of our best men have been organized, we learn also that Gov. Stanford has recently imported into our State fourteen of the finest *Brood Mares* that ever came to our State, paying a large and liberal sum to promote this good enterprise, Mr. Covey a well known judge of Horses went East for them and returned wth them safely to Menlo Park "Palo Alto Farm," the residence of Gov. Stanford, where they will be kept. Much credit is certainly due to Gov. Stanford for his great public spirit in promoting all such good Enterprizes.

The Walnut.

Why should we import the Walnut from Chili or from any other source when we can grow them here far better, and always have them fresh and good and not sweated and mildewed as most of them are when coming in the ship's hold on long voyages.

We lately received from *Felix Gillett, Esq.*, of Nevada City, samples of the *Praeparturiens Walnut* a new variety grown by him, and advertised in our Columns, the samples sent us were very fine, a light colored nut of good size, meat white, sweet and very excellent, and a nut we can most safely recommend to all who are desirous of cultivating Walnuts.

It will be seen also by the advertisement of Mr. Gillett that he offers many other kinds of trees, strawberries and other choice fruits.

As is always the case when lands are overflowed and we have a wet season—Fever and Ague follows—let all who may be afflicted with this dire disease, *Remember* that Clarke's Eucalyptus Remedials are a sure cure for Agues and Fevers, for Rheumatism, and even for Diptheria and Neuralgia.

RAILROADS---INTERNAL PROSPERITY.

Having been an active friend for all internal improvements from our earliest days, and for more than forty years advocating the cause of railroad and steamboat lines as a means of advancing the highest interest of the people, giving employment to large numbers of workingmen in their construction—opening up new avenues of trade and making new markets for the productions of the soil, we have always advocated earnestly the *granting aid from States and cities* where these improvements are made as a just measure and the best investment that could be made of public funds—as such improvements tended to the building up of manufactories, increasing all mechanical industries, opening up new lands and cultivating them, thus increasing the resources of a State by such measures, vastly greater than all the aid given by subsidies of lands, monies, or bonds given or loaned for such purposes.

As early as the year of 1836, we advocated such a public policy as wise and good, we were a stockholder in the Great Western Railroad, from Boston to Albany, of which Hon. Josiah Quincy, Jr., was President, also a stockholder in the Boston and Bangor Steamboat Company, both these at their start, we believed then as we do now public aid was wise and right.

When we came as a pioneer to this "Land of Gold," we saw a great future to our State if internal improvements could be inaugurated, and when the great Pacific Railroad was started in Congress, we hailed it as a good omen for our State, and advocated it with our pen and humble efforts, and although that effort was for Eastern routes, we said the coming glory would be in the West and that California would have her share of this great work.

As early as 1852, the subject of railroads sprang into being, and the first meetings were held in Sacramento of that year, and plans laid for the Sacramento Valley Railroad to Folsom—the records of which are now in our possession.—The first directors of the first railroad on this coast were: Wm. McNulty, C. J. Hutchinson, James L. L. F. Warren—(the present Editor of the Farmer).

When the Pacific Railroad was agitated in '53-'54 in our Legislature, we were called upon for our views as to the benefits which would accrue to this State and coast, and we then prepared a Memorial and presented it to the Committee of our Legislature as expression of our confident belief of the vast good that would accrue to our State, this was more than *twenty-five years ago*, and at the wish of kind friends we now *republish that document* as a good evidence that we judged rightly, and that our prophecy has been more than fulfilled.

It will be remembered that this was years before our California Central Pacific enterprise was conceived, and which has been the crowning glory of railroad enterprises in our country.

We publish this document to show that as the strong advocate of aid and subsidies to public works it is no new thing with us, but has been a life-long belief, and we thus continue to believe and act for all great and good enterprises that

build up our country.

OUR UNIVERSITY.

honors not even.

There has been a very warm controversy of late relative to admitting women to all the privileges of education at the Law Department in "The Hastings' Law School" of the University.

We feel confident that right will prevail and woman stand in our University upon her true merits, entitled to the same privileges for advancement as men, and then if women excels, give her the honor she wins by the power of her mind.

We would open the doors of *every* college and institution of learning to woman, as readily as to men, and let both stand upon their own merits—we say,

LET HONORS BE EVEN.

Now while speaking of our California University we would again pay a just tribute of honor to the noble gift of Hon. S. C. Hastings, who with a princely liberality gave $100,000 to found "The Hasting's Law School," which will prove of great value to our State and Coast, we would we had an *hundred wealthy men* to do deeds of like liberality.

Now while we would do honor for such deeds, we cannot omit to say that we think a great omission of justice and honor to another act of liberality has not been properly accorded. We allude to the liberal gift of Dr. H. H. Toland, of the means to establish the "Medical College" for the University, and we would hope that a public recognition of that gift should be so made that while the name of the "Hasting Law School" is recognized and engraved upon the one building of our University, the same honor should be paid to the other benefactor, and the name "Toland Medical College" engraved upon the other building, and thus both noble donors justly recognized.—When this is done and when woman is admitted to both these colleges with equal privileges—then will we say that

HONORS ARE EVEN.

PACKING NURSERY STOCK.

One of the most important matters in the packing and sending away *trees, plants, shrubs* and *vines*, next after a careful preparation for packing and correct direction of the boxes, bundles or parcels, is the preparation of the labels and the marking the same, some of our nurserymen are careful, using *zinc, lead* or *wooden labels* and writing names carefully and distinct—others by reason of haste or their inability to write or spell correctly, send labels wholly unintelligible, while others write names in pencil on unpainted labels, again others write names on paper, and ere the parcels reaches their destination all record of the names are lost.

This is an error, a fault that should at once be corrected, all labels should be of lead, zinc, or painted wood, all should be painted and the names written in paint and dried—then they are durable, reach the owner safely and satisfactory—and one thing more, all labels should have fine wire ties, not strings, they quickly rot off.

"SAVE DIND, SAVE FIND."

TANNERS' BARK---TANNERS' TREES.

One of the most important inquiries yet started in behalf of the great Leather and Hide interest of the world has been under a most careful and searching inquiry in Victoria, Australia, by a large committee of scientific men who having given the subject a long and thorough investigation, and gathering valuable information from many sections of that country on the relative value of the various trees that yield the best *Tanners' Bark*, have just issued a valuable Report of these researches in a 66 paged quarto volume—the title of their work is, *Report of the "Wattle Bark" Board of Inquiry.*

When we state that this Board of enquiry in their Report show the great value of the Wattle Bark as the best Tanning material known, its extensive use and exportation from Victoria (Australia) many of our readers will be surprised to learn that this famed Tanners' Bark is none other than the Bark of the *Acacia* tree which is grown nearly all over this Coast, and that it has been for years in use in the Tanneries of Victoria and other parts of Australia, and is considered of such great value as to demand from the Government of Victoria a special Board of Inquiry, to show up its value and take means to increase its culture on Government Lands, and protect the trees from destruction and depredation.

This report is extremely interesting and voluminous, yet exhaustive in its details, furnishing a most valuable fund of information.

We give only a few selections from its pages, and will give more hereafter.

In a return made to the Government of Victoria showing the quantity exported from Victoria from Nov. 1, 1877 to June 30, 1878 a period of 7 months, the quantity was 11,378 tuns, and the value of the same was £85,903, equal to $449,515, and this from the bark of the *Acacia*, a most extensive genius, of which in Paxton's Botanical works we find over 250 species, and yet this Acacia which is grown here quite common is only used as an ornamental tree, but could be grown by the hundreds of acres and made a source of great profit to the grower and of immense value for our *Tanneries.*

This Report speaks thus of this tree, "The Mimosa bark of Commerce" in this Colony is derived from three species of the *Acacia*, the *first* in point of strength being *acacia pycantha*, more commonly known by the several names of the "broad leaf" "golden" and "green wattle" (for the purpose of more clearly defining this species the Board has characterized it throughout the proceedings as the broad leaf) next, if not equal in strength, and certainly more common in Victoria, is the *acacia decurrens* or "black wattle," and the third species is the *acacia dealbata* or "silver wattle."

The Board of enquiry give detailed characteristics of these three species so generally used, of which the last variety *dealbata* is well known, and extensively grown in California, but its real value for *tanners' bark* not yet developed—this must be now alluded to.

There are 96 tanneries in full operation at Victoria, employing 1150 hands, and consuming 12 to 15,000 tuns of this bark annually—the value of this bark is about £5 or $25 per tun.

We shall give more from this valuable report and would tender our sincere thanks to our esteemed friend, Baron Ferd. von Mueller, a member of this Board for this highly valuable work.

Splendid Stallions for Sale.

Those who are desirous of breeding from good Stock are specially reminded of the fine Stallions now offered for sale by Messrs. John Rodgers & Co., on Market and Ninth streets.

These horses are of unusual merit, therefore we ask attention to them; One a fine Black Stallion, John Wallace 17½ hands high, sired by England's Glory, an imported horse of pure *Norman blood*, fine form and figure, proud action, worth $1,500, Another Black Stallion of high merit and good speed, record of 2:30, sound and perfect, of good blood; An Iron Gray Stallion, 16 hands high, fine action, perfect in every respect, and from Belmont on the Dam side and Messenger stock on Sire side, can trot in 2:40, a Stallion of great merit, really worth $2,000.

These animals would make their cost in one season in a good location, and will be sold at a bargain.

Our Australian Stock Breeders are specially reminded of this great opportunity for the best quality of Stock for their Breeding Farms, as all these animals are unusually excellent.

Tree Planting---Seed Sowing.

The season of tree planting is with us and had it not have been for the dullness of trade and the general depression of business of all kind, with the want of means to purchase land and homesteads, and make improvements, the planting and building season would have been greatly enlarged, as it is there will be considerable work done for the next two or three months, as our season is this year much later than usual.

We call the attention of all who are making improvements, planting trees, making gardens, sowing seeds, to the nurseries advertised in our columns both at home and abroad.

The Santa Clara Nursery, of E. S. Fox, Esq., has always stood at the head of the nurseries of our State, and is justly celebrated for its immense stock of trees, plants and tropical collections, to this nursery purchasers should go who wish the best.

The sowing of alfalfa and other grass seeds, and all field and garden seeds will continue to a late period this year, as experience shows we can cultivate all the year round.

To the famed establishment of Vick, Thorburn, Henderson and others, we call special attention—orders should go there immediately for their new seeds.

Shipment of cattle from Pensacola to Havana bids fair to become quite an extensive industry. Arrangements are in progress to ship three cargoes per month for the next three months.

The California Farmer Reading Room.

THE Register of the California Farmer Reading Room will be found of value, especially to New Comers from abroad, as it will give the names of our visitors and their locality.

We publish the names of persons from abroad and other prominent callers occasionally. The following are recently registered; large numbers call whose names are not registered as they visit our Reading Rooms often, to give all would fill columns

THE RECENT ARRIVALS ARE AS FOLLOWS

Alexander Campbell	Honolulu.
Wm. Henry Thornly	City.
B. Graves, carriage maker	City.
S. F. Chapin, M. D	Solano County.
Mrs. Maria Chapin	" "
R. G. D Forswell	Christchurch, New Zealand.
W. H. Stowell	City
G. H. Cheesman	Auckland, New Zealand
Robert J. Creighton, Resident Agent Government of New Zealand.	
J. M. Hutchings	Yosemite Valley
Galen Clark, Commissioner	" "
Chas. H. Shinn	Niles.
Mrs. O. A. Colby	Benecia.
Samuel Norris	Honolulu.
Wm. C. Drew	New Hampshire.
Elliot S. Morse	San Jose.
James Linforth	City.
Mrs. L. Washburn	City.
Miss Hattie Washburn	City.
J. H. Boden	Custom House Broker
W. H. Clinton	Portland, Oregon.
M. T. Brewer	Sacramento City.
J. H. Hoskin	Gold Run, Placer Co.
E. S. Crane	San Lorenzo.
Frank Shay	City.
Noble S. Eaton	City.
Steiner, Kinuber & Co	San Diego
Russell F. Lord	City.
D. Edgerton	Silver City, Idaho
T. W. Jones	" "
C. W. Powers	Lompoc.
L. W. H. Green	City

RECEIVED AT READING ROOMS:

We have received from the Bureau of Agriculture and Horticulture of Kentucky, their Bound Volumes of Reports of the Resources and conditions of that rapidly growing State, this is a valuable and important work, showing the great and increasing prosperity of Kentucky

We return thanks to Winslow J. Davis, Esq., Ag. Commissioner for the Volumes.

We have also the Transactions of the Department of Agriculture from the State Board of Agriculture, of Illinois, giving full reports of every county for the year of 1877, as prepared by E. D. Fisher, Esq., Sec. of the Board, these reports in Vol. 15 of the old Series and Vol. 7 of the New, with fine Maps and Plates, and full statistics.

We return thanks for the favor of this Volume.

Stock Books.—We have received from Smith and Powell of the "Lakeside Stock Farm" of Syracuse, N. Y., their illustrated books of Stock, their "Hambletonian and Clydesdale Horses" and their "Holstein Cattle," a fine collection of valuable Stock, shall note again.

We have received the latest Reports from the Department of Agriculture at Washington—they give encouraging news for 1878x1879.

The Chinese.

This is the "Question of the hour" this all absorbing topic is now the great theme of all; in church and State, in all political parties, and among all our business men; among the rich and among the poor, among our capitalists and among our working men, men, women and children are all interested, this shows how closely the Chinaman has become identified in all the interests of our State.

There is at time a *universal* interest in this question shown on the surface—but a very deep undercurrent smothered now, that if not guided with statesmanlike ability by those in power, will if the will of the people is crossed create a commotion on the Coast that will be hard to control. Much depends upon the action of Pres. Hayes at the time—we hope for the best, the course of Pres. Hayes may stop the smothered public hatred to the Chinese a little time will tell.

A Good Steel.—The hoodlums of our City are causing a lively business for our police, our courts and our jails—hundreds are arrested for *stealing* weekly—but we know a better kind of stealing that is done in our City, and a kind of stealing that works to a great advantage to our State.

Messrs. Nelson & Doble are Agents for the sale of the famed *Steel* of "Thomas Firth & Sons," of Sheffield, England, the best in the market, and the polished "Miners' Picks" and other tools made from this *Steel* at the workshops of Nelson & Doble, on Fremont Street, show a bright polish and finish rarely equalled—and this is what we call *steeling* with credit and honor.

TO DRUGGISTS AND APOTHECARIES

THE GREAT EUCALYPTUS REMEDIALS.

These wondorful and truly successful medicines that have been so promptly effectual in curing Bilious and Liver Complaints, Rheumatism, Neuralgia, Fever and Ague, and Dyspepsia, can now be supplied in any quantity by

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who have been appointed as our

WHOLESALE AGENTS.

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A Free Book of nearly 100 large octavo pages for sick. Full of valuable notes on Scrofula, Diseases of Women; Aches and Pains; Heart Troubles and a variety of Chronic Diseases, with evidence that in many cases, these diseases are curable. Sent for one stamp. Address MURRAY HILL PUB CO No. 129 E. 28th Street, N. Y.

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CLOCKS! CLOCKS!

Every clock that leaves our sale room, has been thoroughly run and tested, and is *warranted*, if properly used, to be a good time piece. Following are the price of a few of the many styles we keep:

Young America—A 30 hour time-piece with porcelain dial $1.00
The Ecist—Ansonia 30 hour movement in oak case, 10½ inches high 1 25
The Economy—Black or nickle plate, 30 hour time-piece 2.00
The Gem—Same as above with alarm 2.50
The Bijou—(See cut) Nickle plated case, patent lever, stem winder 2.50
The Chief—Metal case, marble finish, gilt lined 3.00

PEEP O' DAY, ALARM, $3 50.

This has the loudest and longest alarm of any clock made, is fitted with Ansonia Co.'s best movement, screwed pillars, strong plates, silver plated, and requires only one winding for the time and alarm—will go in any position.

The Jupiter—One day striker, patent self adjusting pendulum, 15 inches high $5.00
The Roman—Eight day striker, patent self-adjusting pendulum, 21 inches high 7.50

Over 50 other styles on hand.

FANCY GOODS.

Photographic Albums	$ .50 to $ 50
Autograph and Scrap Albums	.25 " 5
Japanese Ware—Full assortment	.25 " 10
Writing Desks—Fitted	.75 " 20
Work and Jewel Boxes	.50 " 15
Gloves, Handkerchief, Collar and Cuff Boxes	1.00 " 13
Fashionable Fans	.25 " 15
Fire Gilt and Velvet Frames	.25 " 8
Bohemian Glass Vases—Per pair	.75 " 30
Leather Purses—Extra value	.05 " 10
Smokers' Sets—4 pieces	1.00 " 5
Glass and Fancy Wine Sets—8 pieces	1.00 " 15
Decorated and Bohemian Toilet Sets—3 pieces	.75 " 25
Leather Cigar Cases	.25 " 10
Bronze Inkstands and Ornaments	.50 " 50
Opera Glasses—Selected	2.50 " 20
Hand Mirror	.25 " 4
Dressing and Traveling Cases	1.00 " 40
Shopping Bags—Red, black or fancy leathers	.50 " 10
Baby Carriages—A specialty	5.50 " 50
Musical Boxes—Best Geneva makes	2.00 " 250
Pocket Knives—Reliable makes	.25 " 5
Stereoscopes	.75 " 5
Flower Stands and Walnut Tables	1.00 " 10
Chromos—New subjects	.05 " 50

SILVERWARE.

Meriden Britannia Co.'s (Rogers Bro's) celebrated goods. Lowest market rates.

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48:16

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Any person who has made a new discovery or invention, can ascertain, free of charge, whether a patent can probably be obtained, by writing to the undersigned. We also send FREE our Hand Book about the Patent Laws, Patents, Caveats, Trade Marks, their costs, and how procured, with hints for procuring advances on inventions. Address for the Paper, or concerning Patents.

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'Monarch of the West," "Star of the West," "Seth Boyden," "President Wilder," "Great American," "Crescent Seedling," "Duchesse," "Prouty's Seedling," "Duncan," "Kerr's Prolific," "Miners' Great Prolific," "Continental," "Cinderella" "Cumberland Triumph," "President Lincoln," and all the best and most promising varieties of STRAWBERRIES.

Mountain grown plants—"Silva's Roning Claudie," the earliest and best early Blue Plum.

We offer for sale a large and fine stock of the above.

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The Great Remedy

The Eucalyptus Cure!

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Liver and Bilious Pills.

☞ Full Directions for Use Accompany every Box.

—ALSO—

CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

(AUSTRALIAN GUM TREE).

THERE is no tree known to science that presents so many valuable properties as the various species of the Australian Eucalypti. As many as one hundred and fifty varieties of this invaluable tree have been discovered. No timbers in the world can compare with those of Australia; for purposes requiring great strength, combined with great durability, they are unapproachable. Owing to an essential volatile oil that exudes from the foliage, epidemic rarely exists in Australia. The entire species are more or less medicinal. Yet after many experiments, I have found that some of the species, most useless as far as their timber is concerned, are of the greatest value as medicine plants.

In the back bush the gum leaf has often to answer the purposes of the entire medicine chest.

During the past six years I have been experimenting on the various species of the Australian Gum—the roots, the bark, the gum, and the leaves—with great care.

I have found that the gum that exudes from some of the species cannot be excelled for some purposes.

For Rheumatism, Neuralgia, Gout, Sciatica, or any affection of the Nervous System, it appears to be almost a specific, giving immediate and permanent relief. For resolving the attack of Fever and Ague, it is marvelous. It is equally valuable in all diseases of the Liver.

It is essentially necessary during an attack of any of these diseases that the bowels be freely evacuated by a dose of four to six of the "Liver and Bilious Pills" previous to taking the Fluid Extract, and a small dose of the Pills every night will greatly assist the action of the Fluid Extract. For Rheumatism, Sciatica, Gout, Neuralgia, or pains in any portion of the body or limbs, the part affected should be freely bathed with the "Concentrated Fluid Extract."

For Dysentry and Diarrhœa it supersedes all other medicines known. For ordinary cuts, or slight bruises, one application generally suffices.

For Colic, Pains in the Stomach or Bowels, a single dose generally gives relief before five minutes. In bad cases a dose may be taken every half-hour, or hour, till relieved.

TESTIMONIALS.

The manufacturer of these Bills has a great objection to the "wholesale' publication of testimonials, which in many cases are fictitious, and are only intended to mislead. Yet, for the satisfaction of those who are suffering, and have not yet used his medicines, he selects a few, who are best known in the colony and in the town he lives, and their personal testimony will satisfy the most sceptical.

These testimonials above named with many from California, since their recent introduction, will quickly show that the

Eucalyptus Remedials

are the best ever yet introduced. Full and ample testimonial accompany all parcels.

MANUFACTURED ONLY BY

DAVID CLARKE,

Wholesale and Manufacturing Chemist,

AT HIS LABORATORY,

WARWICK, QUEENSLAND.

N. B.—These Preparations are only manufactured by me, at my Laboratory, Warwick, Queensland, and none genuine without my signature on each bottle or box.

☞ PLEASE REMEMBER!

The only Genuine Medicine of this character are those named above and prepared by DAVID CLARKE, Chemist, at Warwick, Queensland.

Warren & Co.,

SOLE AGENTS

For the United States,

320 CLAY STREET,

SAN FRANCISCO

N. B.—Responsible Traveling Agents Wanted.

RHUBARB WINE.

A CHOICE NEW ARTICLE.

A DELICIOUS HEALTHFUL WINE.

Manufactured at Omaha, Nebraska, from the VEGETABLE RHUBARB, making a very delicious, palatable, and healthful light wine, differing from any other wine ever yet manufactured, and giving good promise of becoming a very popular wine.

For sale at the CALIFORNIA FARMER Office by

WARREN & CO.

THE
HELPING HAND,
THE BEST BOOK.
For Sunday-Schools and Praise Meetings, 20 Composers, 146 Writers, 160 Pages, 173 Hymns and Songs by W. T. Giffe & J. H. Rosecrans. Sample Copy, Bds., $25 per 100; Cloth, $35 per 100.
GEO. D. NEWHALL & CO., Pubs., Cincinnati, Ohio.

49:2

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25 NEW YEAR CARDS, with name, 10c. 25 Extra Mixed, 10c. GEO. I. REED & CO., Nassau, N. Y. 47:1y

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M. T. BREWER & Co.

FRUIT & PRODUCE

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS

To all Parts of the United States.

J. F. FARNWORTH. - - - - - - - - - - M. T. BREWER.

THE BEST WAGON ON WHEELS

IS MANUFACTURED BY

FISH BROS. & CO.,

RACINE, WIS.

WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

USING NOTHING BUT

First-Class Improved Machinery and the Very Best of Selected Timber,

AND BY A THOROUGH KNOWLEDGE OF THE BUSINESS, WE HAVE JUSTLY EARNED THE REPUTATION OF MAKING

"THE BEST WAGON ON WHEELS."

We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ———, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {TRUE W. FISH, EDWIN R. FISH, JAS. C. HUGGINS,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. **Send for Prices and Terms,** and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.

—OR—

GEO. A. DAVIS,

Manfacturers' Agent for Pacific Coast,

327 MARKET STREET,

SAN FRANCISCO.

48:17

BRYDON & CO.,

"ECLIPSE" COLLIERY,

IPSWICH.

MANUFACTURERS OF THE CELEBRATED

"ECLIPSE" COKE.

JOHN M. BRYDON,

Shipping, Insurance, and Freight Broker, Custom House and Forwarding Agent.

AGENT,

Railway Carrying Co.

CITY WHARF.

BRISBANE, QUEENSLAND.

48:16

John Rodgers & Co.,

GENERAL STOCK AND SALE YARDS,

—AND—

LIVERY AND BOARDING STABLE,

Cor. Market and Ninth Sts.

Hay and Grain at Lowest Market Rates.

FOR SALE.

An Iron-Gray Stallion, 6 years old, 16 hands high, weight 1200 pounds; untrained, can trot close to 2:40; sound, kind and gentle; "Messenger" stock.

—ALSO—

A Black Stallion, "John Wallace," sired by "England Glory," and from an imported Normandy mare of 6 years old, 17½ hands high, 1750 pounds; coal black flowing mane and tail. He won great merit last year by a set of the finest colts of this blood.

—ALSO—

One Black Stallion, 8 years old, 16 hands high, weight 1250 pounds; has a record of 2:38; sound, kind and gentle.

Can be seen at Bulls Head Stables, Corner of Market and 9th Streets.

49:1 JNO. RODGERS & CO.

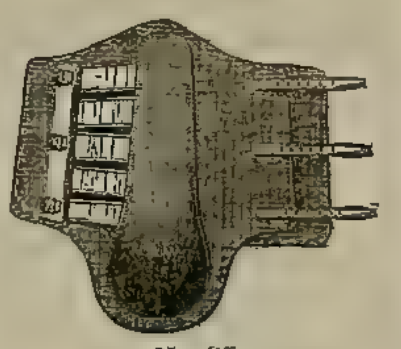
☞ S. M. PETTENGILL & Co., 37 Park Row New York, 10 State Street, Boston, and 701 Chestnut Street, Philadelphia, are our Agents for SUBSCRIPTIONS to THE CALIFORNIA FARMER in the above cities, and also our AUTHORIZED AGENTS to contract for ADVERTISING at our lowest rates.

WARREN & CO.

MAIN & WINCHESTER

Nos. 214 and 216 Battery Street,

San Francisco.



No. 35.

ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47:20

ORMSBY HOUSE.

SOUTH CARSON ST. CORNER OF SECOND,

Carson City, Nev.

John T. Pantlind, Proprietor, Late of California.

This old established and well known hotel has been entirely renovated and furnished in the very best style, making it equal in point of comfort to any on the Pacific Coast.

The Table is supplied with the choicest the market afford. The Culinary Department is presided over by one of the best cooks in the State.

A Corps of Efficient Waiters has been engaged, and families making the ORMSBY HOUSE their home or stopping place, can be sure of the most prompt attention to their wants.

Headquarters for Horsemen and for the stage lines to Bodie, Aurora, and all points south.

Wells, Fargo & Co.'s Express and Banking Establishment and Western Union Telegraph Co.'s office on the same block.

Conveyances to and from the rail road and any other part of town constantly in attendance.

BEST business you can engage in. $5 to $20 per day made by any worker of either sex, right in their own localities. Particulars and samples worth $5 free. Improve your spare time at this business. Address STINSON & Co., Portland, Maine. 47:22

THE

New Zealand Insurance Co.

FIRE AND MARINE.

Organized 1859.

Capital, $5,000,000.

With Unlimited Liability of Stockholders.

Capital	$5,000,000
Capital paid up	1,000,000
Assets	2,019,812
Re-Insurance Reserve	347,985
All Other Liabilities	220,759
Surplus for Policy-holders	1,220,068
Premiums received to May 31, 1878	7,095,633
Losses Paid to Date	6,248,997
U. S. Bonds deposited in Oregon	50,000

UNDERWRITE, THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandise, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

HEAD OFFICE:

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HUGH CRAIG, - - - General Agent,

OFFICE, 307 CALIFORNIA STREET,

San Francisco.

BRANCH:

No. 7 FIRST STREET, PORTLAND,

S. B. RIGGEN - - - - - Agent.

VALUABLE

FARMS FOR SALE.

Valuable Farms in the sunny lands of San Diego County.

Those families who desire to leave the cold wintry region of the north and come to a better climate—are invited to the following Farms we offer at good bargains:—

One Farm of 1,500 acres, undivided, can have a great chance to buy this Farm.

One of 320 acres, of rich land of the very best soil, running water, and generally low land, capable of growing any crop wanted, a portion fenced, with fruit trees and vines now bearing.

One Farm of 100 acres of most excellent soil, capable of raising all Tropical Fruits in the greatest luxuriance.

All these Farms are in the Bee-region—and suitable for this interest—all sold on easy terms. For particulars address

STEINER, KLAUBER & CO.,

San Diego City, Cal. 49:2

Or CALIFORNIA FARMER Office, 320 Clay Street.

LAND PLASTER.

THE GREAT FERTILIZER.

This most excellent material for all Clovers and Grasses, can now be had of the undersigned at the low price of

$12.50 per Ton.

Also—Building Plaster, Casting Plaster, and Terra Alba.

For Sale by

LUCAS & COMPANY,

215 and 217 MAIN STREET,

Bet. Howard and Folsom,

49:2 San Francisco.

BEAUTIFUL FLOWERS

A GREEN HOUSE AT YOUR DOOR.

We will send free by mail, and guarantee their safe arrival in Good Condition, our choice

12	ROSES	12 sorts, $1
20	VERBENAS	20 " 1
15	Basket or Bedding Plants	15 " 1
10	GERANIUMS	10 " 1
10	CARNATIONS	10 " 1
10	Tuberoses, *all Pearl, large and double*	1
12	Gladioli, *all Flowering Bulbs*	1
2	Camellia Japonicas and 2 Azaleas	1

Hundreds of others—**NEW AND RARE!**

CHEAP, and many For your choice of varieties, see our 80-page Catalogue, free by mail. We also offer an Immense stock of *Fruit and Ornamental Trees, Evergreens, Small Fruits, Shrubs, etc.* Catalogue with Colored Plate, 10c.

6	Hardy Flowering Shrubs	6 sorts, $1
10	Currant Bushes	3 " 1
25	Raspberry Plants	3 " 1
80	Strawberry Plants	4 " 1
8	Grape Vines	3 " 1
60	Sweet Chestnut or 50 Catalpa Trees	1

20th Year. 10 Greenhouses; 400 Acres.

STORRS, HARRISON & CO., Painesville, Ohio.

49 1 4t

NEW TOOTH POWDER!

The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath.

DAVID CLARKE'S

Eucalyptus Tooth Powder,

The BEST EVER COMPOUNDED and destined to supersede all others.

WARREN & CO., SOLE AGENTS,

320 CLAY STREET, S. F.

Choice Grape Cuttings.

Those who desire to have the choicest quality of the famed

"WHITE CORINTH GRAPE,"

—AND—

"THE ZANTE CURRANT,"

and a few other varieties of rare kinds of grapes—can secure a collection by sending their orders to the

FARMER OFFICE, 320 Clay Street.

N. B.—Only a small lot for sale.

HEARING RESTORED. Particulars free. VERRY & HARPER, Madison Ind. 49 2t

Home Miscellany.

"There is no place like home.
Home! It should be Heaven on Earth

THE CHRIST-CHILD.

BY MRS. E. T. HOUGH.

Where afar o'er Judean mountain
Fell the holy hush of night,
Opened wide the gates of Heaven
Circling earth with radiant light;
Listen to the angel voices—
Heaven's choral host rejoices—
"Glory to God in the highest,
And on earth peace, good will to men."

Where a weary mother weeping
O'er a babe in manger low—
Shepherds that their flocks were keeping,
Haste their treasures to bestow,
But what *gift* could o'er compare
With the Christ-child sleeping there!

Tell again the old sweet story—
Where the yule-logs brightly glow;
And where holly-berries glimmer
Scarlet on December snow.
Breathe it in the land of flowers,
Wreathe with song in sunny bowers—
Christ on earth, good will to men.

Tell it where the children gather
'Round the merry Christmas trees;
While their joyous notes of laughter,
Ripple through the Christmas breeze,
All to them of joy or love
Brought the Christ-child from above.

For one day let fall the curtain,
Of our toils and cares and fear:
Take instead the cup of gladness,
That the Christ-child bringeth near.
Then from shore to shore the story
O'er and o'er, and o'er again
"Glory in the highest, glory,
Christ on earth, good will to men."

—*The Woman at Work*

GRANDMOTHER'S BIRTHDAY.

BY CLARA DOTA RATES.

Just seventy years ago
A little baby smiled;
And they gave the sweet old Bible name
Of Hannah, to the child.

She slept, no doubt, such sleep
As only falls on eyes
That still have shut within their lids
The light of paradise.

No doubt the little hands
Lay passive on her breast,
As, with the cradle's lullaby,
They hushed her to her rest.

Ah, me! who could foretell
What works those hands should do?
How many they should help to lead
Life's troubled mazes through?

What never faltering part
Their tender strength should take;
What burdens for the tired one's bear?
What barriers help to break?

Scarcely a day or hour
In all these long, long years,
But they have helped some weaker one,
Or wiped some sufferer's tears.

And, ah, who could foresee
Upon that baby brow,
Where lay the dark and silky locks,
Its crown of silver now?

Peace, as at first, is there;
The world has never set
One single line of its hard seal
Upon that forehead yet?

The constant shade of pain
Has dimmed, perhaps, the eyes,
Yet still they hold within their lids
The light of paradise.

Just seventy years ago
Since the little baby came,
And now her children's children bless
That sweet old Bible name.

WRITE THEM A LETTER TO-NIGHT.

Don't go to the theatre, grange or ball,
But stay in your room to-night;
Deny yourself of the friends that call
And a good long letter write—
Write to the sad old folks at home
Who sit when the day is done,
With folded hands and downcast eyes
And think of the absent one.

Don't selfishly scribble "excuse my haste,
I've scarcely the time to write."
Lest their brooding thoughts go wandering back
To many a by-gone night,
When they lost their needed sleep and rest,
And every breath was a prayer—
That God would leave the delicate babe
To their tender love and care.

Don't let them feel that you're no more need
Of their love or counsel wise;
For the heart grows strongly sensitive
When age has dimmed the eyes—
It might be well to let them believe
You never forget them, quite,
That you deem it a pleasure, when far away,
Long letters home to write.

Don't think that the young and giddy friends,
Who make your pastime gay,
Have half the anxious thought for you
That the old folks have to-day.
The duty of writing do not put off,
Let sleep or pleasure wait,
Lest the letter for which they looked and longed
Be a day or an hour too late.

For the sad old folks at home,
With locks fast turning white,
Are longing to hear from the absent one—
Write them a letter to-night.

A Word for Seventy-Eight.

Good-by, Old Year, and thank you, too,
For many blessings sent us in disguise;
Friends that have proven earnest ones and true,
And lessons taught to those who were thought wise.

Home Correspondence.

YOSEMITE VALLEY, ITS WONDROUS BEAUTIES.

YOSEMITE VALLEY, February 8, 1879.

COL. WARREN—*Dear Sir:*

The long delayed mail has at last arrived, bringing news, and most welcome letters; yours of December 31st among the rest. Since I wrote you last, we have had very fine pleasant weather. The snow has gone so that we have some bare ground to look at. For about a month during the shortest days we had only about three hours sunshine on the south side of the Valley where the Hotels are situated. Now as the sun rises higher we have five hours. This makes it much pleasanter, and gives renewed life, joy, and gladness to every living thing here. The sunset's crimson hued glow, upon the great whitened domes and craggy peaks, is most gorgeous and enchanting. I do not wonder that the old Persian Pharisees and astrologers were sun worshippers. I am very near being one myself, after living so long within the frigid shadows of these cold towering granite rocks, mostly sheeted with ice and snow, and corrugated with frozen cascades. It is all very grand to look at for a while, but it soon makes one feel chilly, and his soul yearns for the bright and warm sunshine.

YOSEMITE—A HEALTH RESTORER.

We need no blue glass Sanitarium here. The atmosphere is so pure and clear, that the sky is of a very intense blue, and seems a low arched cerulean vault above, resting upon the high walls and peaks around the valley. At night the stars glisten and twinkle with a coruscant brilliancy, unknown in lower altitudes. It is a great luxury to breathe this pure mountain atmosphere. It exhilarates and thrills through every nervous fibre of the body, and makes the old feel young again. THE BRAIN BREATHES AS WELL AS THE LUNGS! The lungs inhale atmospheric *air*, the brain *electricity*. As the air rushes through the nostrils on its way to inflate the lungs, the brain attracts and inhales electricity from it. Perhaps this is one of our old mother Nature's secrets, that many have not found out, but everyone who has been two hours in a close lecture-room or theater, has felt the immediate reviving effects of it, as soon as they had inhaled one breath on reaching the open air. Hence the great importance for many reasons, why we should breathe through the nose instead of the mouth. There were five tourists here in the month of December, four in January, and there were three came in on the fourth of this month. They came on horseback *via* Mariposa. The trip is too hard and unpleasant to undertake until the road is open again for carriages.

EARTHQUAKE IN YOSEMITE.

By the latest news received here, I see that the Constitutional Convention is still in session. I fear that this *Constitutional Child* which so many have been looking forward to, as a *coming saviour* and which the Conventional body has been carrying *in embryo* so long overtime, will either prove an abortion or a monstrosity which the people will reject and kill at the first opportunity. It may be that some of the members of the Convention think that they have found a golden *egg*, which by the careful incubation will hatch out a multitude of little *golden chicks*, which they may sometime appropriate and divide among themselves; *Quien sabe*. On the night of the 3rd inst. a little before twelve o'clock we had quite a little shake of an earthquake here. No damage done, nor anybody badly frightened. Only a few avalanches of ice came down from their high places of repose, to salute the rambling, quaking visitor, and awake the slumbering echoes. Colonel would you do me the great favor to send me by mail two or three boxes of your EUCALYPTUS PILLS. I wish my friends here to try them when medicine is needed. I think that they are the BEST PILLS known, for such diseases as they are recommended. *They always prove beneficial.*

Yours sincerely, GALEN CLARKE.

CLARKE'S NEW SCIENCE OF BREATHING.

P. S.—My dear Colonel, I have sent you a sort of rambling communication. If you feel like abridging any of it, do so. But I think the idea, or rather *fact* advanced with regard to breathing is one of great importance, and one which *I* have never seen published in any work on Physiology. I have found that by perseverance in breathing through the nose, that I could climb mountains with much less fatigue than when I went *panting* with my mouth open half of the time. The reason is that the *brain* is better supplied with *nerve power*. It takes a little time at perseverance, to expand the air passages, but they very soon do their work freely. It will also do more towards curing that terrible disease called Catarrh, if persevered in, than any medicine I have seen. At least it is a good preventive.

Yours truly, G. C.

Wives of Men of Genius.

Under the title of "A Glorious Destiny," a writer in *Waverley* says: "A right-minded woman thinks it a glorious destiny to be the wife of a really great man. To soothe him in grief and comfort him in sorrow; to hide the petty cares of life from him; to rejoice in his happiness and exult in his success; to share his secret thoughts and hopes; to listen to his schemes and discuss his projects, and by loving care and thoughtfulness smooth out those little peculiarities and eccentricities which so frequently cling to genius, as creases rest on the finest fabric: to know that the moments he does not give to the world he gives to her; to know, above all, that she influences his life, as every woman does influence the life of the man who really loves her—and genius and greatness are not niggardly in their affection—for what better lot can she hope for?"

Kiss the children, and say that the best looking ones resemble the mother. This always leads to a fresh bottle of wine.

THE ANNIVERSARIES.

How do the anniversaries come in groups, jostling each other, and crowding together as the years go on, till as I said, life gets to be made up of anniversaries! Is this not true? You can answer me—you, sir, or you madam, who have crossed the glad meridian heights, and are on the downward slope. This day, perhaps, is the anniversary of your graduation; this, of your entrance upon some field of labor—no matter whether it be a wide or narrow one—for which you had eagerly prepared yourself; this, it may be, of your first communion, when it seemed to you, in your hour of exultation, that God had set his seal upon your forehead and whispered "Peace;" this of your happy betrothal; this, of your wedding day, with its solemn joys, its trembling hopes, its tremendous, yet half-felt responsibilities. Yesterday was the birthday of your eldest son. He is a man grown, perhaps—but you think of him as your boy still, the little fellow whom you loved and scolded twenty years or more ago. To-day a twelve month since, five or ten, as the case may be, you gave your one sweet daughter to be the light of another man's heart, the joy of another man's home. You wonder how you ever did it; and you think, for the fiftieth time, that of all cool proceedings on the face of the earth, the coolest is when some young fellow, in all the self assurance and blessed audacity of youth, steps up to a father and quietly asks him to pluck the heart out of his bosom and place it in his hands!

Just twenty years ago to-day, it may be, your baby died—the little one that had not learned to know his name. He would be a tall, manly boy now if he had lived. You wonder how it is in the land to which he has gone. Is he still a babe, or has he grown to the full stature of manhood? Who can tell? But it does not matter. Your heart, your father-heart, your mother-heart, tells you that in this world or the next, be he child or man, "he cannot drift beyond God's love and care." If Whittier had written no single line but that, you would bless him to your dying day.

Yesterday was the anniversary of your white-haired father's death, and one day last week your first awakening thought was that for just so many years your wife, or your husband, or your mother, had known the secret of the eternal years. As we grow older the grave stones multiply in our paths till we can scarcely see the way for the shadows they cast.

But there are births as well as deaths—there are smiles as well as tears—there are words of joyous congratulation as heart-warm as those of sympathy.

One generation crowds upon the heels of another; and before you know it, and you are keeping the anniversary of your grandson's birth, and pledging the new-comer in a cup of cold water, if you prefer it. The King is dead—long live the King!

What was the proposition with which I started? That, as we grow older, anniversaries inevitably take on a tinge of sadness? The world is so wide, separations are so long, there are so many changes and so many partings, that this is undoubtedly true, even of the general anniversary—those that belong to the world and not the person. We laugh with tears in our hearts, if not in our eyes; and there grows to be a good of make-believe in our joy.

And yet, after all, and notwithstanding all, this is a blessed world; and it is a good thing to be alive in this last quarter of the nineteenth century—so good a thing that we wipe our eyes, thank heaven, and take courage, even while at the beginning of this New Year we pray with Tiny Tim:—

"God bless us, every one!"

Street Talk.

A GOOD LESSON FOR THE YOUNG.

There is a "slang" which, though vulgar, is amusing, and there may be some excuse for an occasional use of it. But there is another "slang," known as "street talk," which is not amusing, and is vulgar and rude. Such may never be used.

"Learn to talk like a gentleman, my boy. Papa is sorry to hear you talk 'street talk.' Do quit it."

"What is 'street talk,' papa?"

"What did you just now say to your sister?"

"I told her to be quiet."

But you said, 'Shut up!' and said it very loudly and rudely. And what did you ten minutes ago say to Martha?"

"I told her to go out of my way."

"But you did not say it half so nicely as that. You said, 'Get out of this!' and I think you called her some name. What was it?"

Harry looked ashamed, and the tears came; but he answered, "I called her a 'dirty sneak.'"

"Just so. That is what I mean by street talk. All these words, and especially the rough tone and manner you hear on the street, belong to those boys who have never been taught any better, and to those men who, though knowing better, yet do not care anything about the better way. But my dear boy, must never use street talk."—*Youth's Companion.*

Mental Improvement.

The effect of mingling with new people, who have new methods of thought, is very salutary. Always to see the same people, do the same things, feel the same way, produces a stagnant condition of the mind and heart that is very distressing to behold. There are thousands of invalids who might be greatly benefitted by getting away from home, to mingle with the magnetism of the great world as it courses in its accustomed rounds. And there are mental invalids who need the same change, to get their minds and hearts enlarged, and let in a little more of the great light of life. Outside influences are very valuable to those who at home have been well trained by healthful influences in early youth, so that they can avoid the snares and pitfalls into which they so often blindly fall.

The coldest weather ever known in California occurred last week, when ice formed five inches in thickness at Fresno, Dec. 1st.

THE BLOOD---THE LIVER---LIFE.

Almost every newspaper in our land far and near herald new preparations for curing "Liver Diseases" and "Purifying the Blood," page after page of our daily and weekly Journals publish all the old and new drinks. "Bitters" of all kinds have posters on the fences and buildings all over our State and Country, for all know that BLOOD IS THE LIFE AGENT and without PURE BLOOD diseases of all kinds are constantly generating.

Our newspapers all are almost daily making records of sudden deaths by *heart disease* and by *apoplexy*, and these are only in truth BLOOD DISEASES, which all the vinous or spirituous stimulants in the world, though they may relieve from pain temporarily, yet can never thoroughly cure of disease.

To perfectly cure, the blood must be made pure and life giving; its diseased condition must be changed, and new vitality must be so infused into it, and with such power as to drive out all the impurities, so that new vitality shall infuse *new life* into its circulation.

Among all the many preparations that have thus far been perfected there has never yet been any equal to DAVID CLARKE'S EUCALYPTUS BLOOD PURIFYING REMEDIALS.

These are entirely free from all mineral or spirit ingredients, nothing but the pure properties of the *combined virtues* of *leaf*, *bark* and *root* of more than fifty varieties of this famed tree are concentrated in this wonderful Blood Purifier and life saving Medicine.

Those who would be saved from sudden death by *heart disease*, *apoplexy*, *diphtheria* and the other fearful diseases which this renowned Medicine cures, should not fail to guard their own lives and that of their kindred and friends by using this *Australian Remedial*, the only pure variety is that of David Clarke, Warwick, in Australia, ask your Apothecary for this Preparation and thus save life.

DOMESTIC RECEIPES.

Reheating coffee just before grinding brings out the flavor.

Make two large pockets in your kitchen apron and in one of them always keep a holder.

HAM BALLS.—Chop fine cold cooked ham; add an egg for each person; beat together; make into balls and fry in hot butter.

PRUNE WHIP.—Sweeten to taste, and stew three-fourths of a pound of prunes; when perfectly cold add whites of four eggs beaten stiff; stir all this together till light; put in a dish and bake twenty minutes; when cold serve in a larger dish and cover with whipped cream.

TO REMOVE RUST FROM IRON.—The easiest method of removing rust from iron is rubbing it with a rag dipped in oil of tartar. The rust will disappear immediately.

TO KEEP A GUN FROM RUSTING.—Clean the barrel occasionally and cover the exposed portions of the metal with a film of linseed oil. For lubricating the lock, purified olive or sperm oil is best.

Common Sense.

It is simply in keeping with common sense to say that a specialist who gives his undivided attention to the treatment of a certain class of diseases ought to succeed where practitioners in general practice may fail. DR. E. B. FOOTE, of 120 Lexington Avenue, New York City, has given his exclusive attention to the treatment of CHRONIC DISEASES for twenty-five years, during which time he has cured thousands whose faces he has never seen. If you will send to him for his searching list of questions you will see how this has been done in part. Consultations in person or by mail FREE. Dr. Foote's works, Plain Home Talk embracing Medical Common Sense, Science in Story, etc., are publications well known to the reading public. Taking all of the Doctor's publications together it is not too much to say that millions of copies have been sold. 48:20 4t

The Amateur's Handbook of Practical Information.

for the Workshop and Laboratory: Containing clear and full Directions for Bronzing, Lacquering, Polishing Metal, Staining and Polishing wood, Soldering, Brazing, Working Steel, Tempering Tools, Case-Hardening, Cutting and Working Glass, Varnishing, Silvering, Gilding, Preparing Stains, Waterproofing, Making Alloys, Fusible Metals, Cements, Glues, etc., etc. Price 10 cents. New York: Industrial Publication Company. 1878.

This is not a mere book of recipes clipped from old journals and encyclopedias, but a carefully compiled book of instructions for performing those little technical operations which are so frequently required in every-day life, and in the workshop of the amateur. In most of these operations the recipe is but half the battle; when we come to put it in operation we are apt to fail from ignorance of some general principle, or from inattention to some important though apparently trifling detail. In the book before us this defect is avoided, and minute practical directions are given, so that any one may be able to put the recipes in practice. This is specially apparent under such headings as glass-cutting, lacquering, steel working, brazing and soldering, silvering, staining woods, waterproofing, etc.

[We return thanks to publishers for a copy of this little but valuable book.

We have just received *Nellis' Floral Instructor*, which is an elegant illustrated quarterly, devoted to gardening in all its branches, containing a complete list of seeds, plants and bulbs at greatly reduced prices, and much other useful information. The subscription price is only ten cents a year.

He sends a sample copy and packet of choice flower seed as a trial to any one who sends him a three cent stamp. His address is A. C. NELLIS, Canajoharie, New York.

TAKE NOTICE.—Upon my return from Europe, 1878, I advertised largely "Beatty's offer for 1885, 13 stops, 2 knee swells, 3 sets reeds, weight boxed 850 pounds, monopolist price about $340; MY PRICE ONLY $68." So great was the demand, our men worked at factory till 10 P. M. to fill orders. This unparalled offer is extended until further notice. To secure it, however, order now. Now pianos $126, $135, $145, and upward. New organs, $65 to $460. Pay only after testing instruments at YOUR OWN HOME. Latest circulars free. Address DANIEL F. BEATTY, Washington, N. J. 49:4 It

SHERMAN & HYDE,

WHOLESALE AND RETAIL

MUSIC DEALERS,

CORNER KEARNY AND SUTTER STS.,

San Francisco.

WEBER PIANOS

.... ARE ....

THE BEST.

What the Great Musicians and Singers say of them.

NEILLSON. I shall take every opportunity to recommend and praise your Instruments.

KELLOGG. For the last six years your Pianos have been my choice for the Concert Room, and my own house.

PATTI. I have used the Pianos of every celebrated make, but give yours the preference over all.

STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

WEHLI. Madame Parepa called your Pianos the finest in the United States. I "fully endorse," that opinion. They have no "rival any where."

MILLS. Amongst the many excellent Pianos made in the city, the Weber ranks foremost.

LUCCA. Your Uprights are extraordinary instruments and deserve great success.

MURSKA. Your Instruments surpass my expectations and I rank you justly as the Foremost Manufacturer of the day.

GODDARD. Your Instruments have no "superior" anywhere. I certainly have not seen any Pianos in America which approach them even.

The Cottage Gem Piano,

Is 7 Octave. Serpentine Mouldings. Carved Legs, and is the BEST PIANO in the market for the price.

$350.00.

The Standard Organ

Has a Beautiful Case, full, rich tone, and for durability

Excels all Others!

.... FOR ....

Sheet Music, Music Books,

OR ANY ARTICLE IN THE

MUSIC TRADE,

CALL ON, OR ADDRESS,

SHERMAN & HYDE,
CORNER KEARNY AND SUTTER STS.,
44:21 SAN FRANCISCO.

Santa Clara College, S. J.

SANTA CLARA, CAL.

THE TWENTY-SEVENTH ANNUAL SESSION OF THIS Institution will be resumed Thursday, January 3d.

This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It occupies six large buildings with extensive shady playgrounds, covered gymnasiums, swimming pond, etc.

It possesses a most complete philosophical apparatus, and valuable collections of mineralogy and geology. It has also practical schools of Assaying, Surveying, Telegraphy, Photography, and Commercial business. For the latter a new building 160x40 has just been finished that leaves nothing to be desired.

Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course.

TERMS—(Payable semi-annually in advance) Matriculation fee, to be paid but once..... $ 10.00
Board, Lodging, Tuition in all branches, Washing and Mending of Linen, School Stationary, Medical attendance and Medicine, Baths, etc., per session of ten months..... 250.00

For further particulars apply to the President of Santa Clara College, or to St. Ignatius College, 841 Market Street, San Francisco
34-1 REV. A. BRUNENGO, S. J., President.

THE GREAT SEWING MACHINE DEPOT,

19 NEW MONTGOMERY STREET,

San Francisco.

FLORENCE, WHITE, NEW HOME, WEED IMPROVED, PEERLESS. 48:20

SAMUEL HILL
General dealer in Sewing Machines, also agent for the celebrated Howard Needles for all Sewing Machines, and for Florence and California Oil Stoves.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby will do us a kindness by stating to those of whom they purchase, where they obtained the *information of their Wants.*

Miscellany.

Gatherings along the way a.
Floating gems by every tide.

WONDER WHO THEY'RE FOR?

My ma's been working very hard,
And also very sly,
And keep her sewing out of sight
Whenever I am nigh.
I asked her once what made her stop
Her work when I came in
She said she only stopped to get
A needle, thread or pin.

The bureau drawer next to mine
Is locked both night and day
And when ma wants it open
She sends me off to play.
I stole a peep one afternoon,
Although it was not right
But, oh! the little things I saw
Were such a pretty sight

The cutest, nicest little clothes
Just big enough for a doll,
But then I know they're not for her—
She needs them not at all.
I know they're not for ma or pa,
Nor me nor brother "Bor,
For we can't wear such little clothes
I wonder who they're for?

A QUEER TEAM.

A traveler in the Western District was struck by the absence of the usual tesselated language of a bullock driver, in the case of a man on the road with a small team, which he thus apostrophized:

"Come hither, Baptist! Who-o-a Presbyterian."

The mode of address seemed so strange to the traveler, that he entered into conversation with the man, and asked him how these titles were applicable to a bullock team.

"Well, sir, you see," said he, "I calls this the 'steriastical team. You see that bullock on the off side leading? I call him Baptist. We'll be crossing the creek presently, and he'll be bound to make for the water. That one on the near side, he's 'Piscopalian, 'cause he holds his head so worry high. That bullock on the off side of the pole, the one with the crumple horn, I calls him Presbyterian. He is the most out-and-out knowing bullock of the lot. The brindle in the same yoke with him, he's Wesleyan. He always a grunting and a groaning as if he was dragging the whole load. Bless your life, sir, he's not pulling an ounce."

Art of not Quarreling.

Sensible husband: "How is it that we never quarrel, Mr. Xantippe?" Well, I will tell you. One person can't make a quarrel. Now, if I am in a quarrelsome humor, and break out, my wife remains cool and collected and don't say a word. If my wife is peevish, and displays more temper than is becoming to one of her beautiful sex, I, her husband, remain as unmoved as the monument, or else cheat myself into the belief that I am listening for the moment to some heavenly song. We only quarrel one at a time, and it is astonishing. If you leave a quarrel alone, how very soon it dies out! That's our secret, madam; and I should advise you and all Xantippes to follow it.

A Speculative Era.

The present is emphatically an era of speculation. Professionals, merchants and mechanics are all alike drawn into the vortex of wild speculation; for the wilder it is and the more rapid its changes, the greater its allurements. Even some Reverends cannot escape the contagion, but take their chances, with the common herd, to make a fortune or be ruined in a day.

The State of California is 700 miles long with an average width of 220 miles, making an aggregate area of 98,634,240 acres. Of this amount, 65,000,000 are adapted to agriculture, 15,000,000 to grazing, 4,000,000 are swamp and overflowed land, and 14,034,240 are lakes, bays and precipitous mountains. The Federal Government has granted to the State 10,782,160 acres of public lands.

Excuse yourself for not having called since last New Year's day; any well-framed, graceful lie will do.

In complimenting the young ladies on their rosy cheeks, don't ask where they bought it.

A Florida negro has discovered that figs, melons, and oranges fed to a pig make no better pork than potato-peeling and wrinkled ears of corn.

Mr. Simms says if it wasn't for the hole in the hoop you couldn't put it on the barrel, and the barrel would burst.

A correspondent (unmarried) suggests that Solomon's wisdom was due to the fact that he had 700 wives, whom he consulted on all occasions.

New Zealand Flax.

(Phormium Tenax.)

This wonderful Plant is worthy more and better attention than it has ever received at the hands of our people.

Had this plant been received as it deserves an *hundred thousand* acres of our supposed reclaimed land would have been saved from floods, it is the best guard for embankments, it can also be utilized for paper making, cordage and basket making, and made a source of income as well as a protection to all swamp lands.

Two large plants in the Post Office grounds in our City show the character and growth of this valuable plant, it is ornamental as well as useful.

The seed can be had at THE CALIFORNIA FARMER Office.

AMERICAN Berkshire Record.

. Authentic and Reliable Pedigrees

Of the principal families of Berkshire Swine, with dates of farrow, addresses of breeders, etc.,

PATRONIZED BY THE

FOREMOST BREEDERS IN ENGLAND AND AMERICA.

Volume I. contains the standard o Characteristics and Marks of Berkshire Swine, adopted by the National Convention in 1872; and Volume II. the STANDARD OF EXCELLENCE, more recently adopted by the AMERICAN BERKSHIRE ASSOCIATION. In each will be found

Also Valuable Treatises on Swine

The price of Vol I. is $3.50, post-paid; that of Vol. II. $5.00, post-paid. Volume I. and II. will be sent, if ordered at same time, (although both need not go the same address) for $8.00, post-paid, the money to accompany the order.

BLANK FORMS FOR PEDIGREES,

Bound in sets of one hundred, with studs for retaining memoranda, price $1.00 per set. These forms are adapted to general use by breeders of all kinds of farm and domestic animals, and are designed to aid in the systematic preservation of pedigrees.

PREMIUM ESSAYS.

I. The Origin, Breeding and Management of Berkshire Swine.

II. The Diseases of Swine, their Causes, Symptoms and Remedies.

These two Essays, for which the Association paid $100 each, and the seven Illustration therewith, have been published together in pamphlet form. They will be sent post-paid on receipt of 25 cents.

For further information, read carefully the Third Annual Report of the Association, and the Suggestions, Instruction and Rules therewith, or Address,

N. B.—These Splendid Volumes can be seen at THE FARMER OFFICE.

PHIL. M. SPRINGER, Sec'y,
Springfield, Ill.

PATENTS

In connection with the publication of the *Scientific American*, we continue to act as Solicitors for Patents Caveats, Trade-Marks, Copyrights, etc., for the United States, Canada, Cuba, England, France, Germany, etc. In this line of business we have had *thirty-three years' experience.*

Patents obtained through us are noticed in the *Scientific American.* This large and splendidly illustrated weekly paper shows the current progress of Science, is very interesting, and has an enormous circulation. Subscriptions $3.20 a year, postpaid; single copies 10 cents. Sold at all Book-stores and News-offices.

Can I Obtain a Patent? The quickest and best way to obtain a satisfactory answer, without expense, is to write to us (Munn & Co.), describing the invention, with a small sketch. All we need is to get the *idea.* We will immediately answer, and give the necessary instructions. For this advice we make no *charge.*

We also send *free* our Hand Book about the Patent Laws, Patents, Caveats, Trade-Marks, their costs, and how procured, with hints for obtaining advances on inventions. Address MUNN & CO., Publishers of the *Scientific American*, 37 Park Row, New York.

Farmers' Accounts.

WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer.

A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to

List of Australian Duties.

Our Merchants and Shippers of Goods to Australia who desire to know the rates of duties to the several Colonies, cand find a "List of Duties" of each district at the Office and Reading Room of the CALIFORNIA FARMER, 320 Clay Street, San Francisco.

J. M. THORBURN & CO.,

15 JOHN ST.

NEW YORK.

Growers and Importers of

GARDEN, FLOWER, GRASS,

— AND —

TREE SEEDS.

SOLICIT Orders for the above from the TRADE, also, *GLADIOLUS* and all other *BULBOUS ROOTS.*

44:15 Price Lists on Application.

New Books--Life Science.

The following valuable new works just received at THE CALIFORNIA FARMER OFFICE, 320 Clay Street, worthy special attention:—

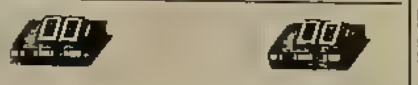
"PLAIN HOME TALK AND MEDICAL COMMON SENSE,"

A most valuable work, one volume, 900 pages, fully illustrated with 200 engravings.

"SCIENCE IN STORY,"

A most interesting volume of nearly 1200 pages, admirably illustrated; Also, "Science in Story" in five volumes, most admirably written and most inviting to every reader and conclusive in the arguments of every story.

These Volumes are all Edited by Dr. E. B. Foote, and issued by the Murray Hill Publishing Company, of Chicago, Ill., and for sale at the FARMER OFFICE.



BOOK —AND— JOB PRINTING.

POSTERS, CARDS, —AND— CIRCULARS,

PROMPT, CHEAP AND GOOD

AT THE LARGEST PRINTING HOUSE

On the Pacific Coast.

COMMERCIAL STEAM MAMMOTH PRINTING HOUSE.

517 CLAY STREET,

FRANCIS, VALENTINE & CO.,

44:1 PROPRIETORS.

all—handsomely got up and finely bound Price, $2.50, worth ten times the cost. 45:21

TO ADVERTISERS ABROAD.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows:—All line advertisements will be ONE DOLLARS for Five Lines, or less, Nonpareil, *first insertion;* larger space, *Fifteen Cents per Line;* each subsequent insertion, *Ten Cents per Line.* This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community.

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $20.00.

For one-eighth of a column, three months..... $15.00 | For one-half of a column, three months..... 60.00
For one-quarter of a column, three months..... 30.00 | For an entire column, three months..... 100.00

For a six month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable; the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rate

WARREN & CO., Proprietors,

320 CLAY STREET, SAN FRANCISCO.

Worth a Guinea a Box!

CLARKE'S

Liver and Bilious Pills.

The BEST MEDICINE you can possibly take for Indigestion, Fever and Ague, Wind in the Stomach or Bowels, Sick Headache, Heartburn, Giddiness, Drowsiness, Languor, Spasms, Pains and Fullness at the pit of the Stomach or region of the Liver, Loss of Appetite, Diarrhœa, Dysentry, and the most certain cure for Piles is

Clarke's

LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

TESTIMONIALS:

WONDERFUL!

WARWICK, QUEENSLAND, APRIL 21, 1877.

MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR,—I think it my duty to you, and for the benefit of others, to state, that for the past two years I have been troubled with a pain in my left side, I think through a hurt. I have been under the treatment of two medical men here. One told me I had heart disease; another, disease of the lungs. I went to Brisbane and consulted one of the leading Physicians there. I spent thirty pounds with doctors for medicine, and was worse than when I commenced. I could scarcely breathe for pain, and had given up hope that I was ever to be better. I heard of many cures by your Liver and Bilious Pills; I thought I would try them. I have only taken three small boxes: the pain is gone, my general health is improved, and now I can work as well as ever I have done. I have been working on the roads. My case has been well known here, and my wonderful recovery. Being for ever thankful to you. I am, truly yours,

WILLIAM STEWART.

PARTICULARLY NOTE THIS.

HERMITAGE, WARWICK, August 14, 1877.

MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR,—Four years ago I was sluicing tin at the Tin Mines. With standing in the water I took cold shiverings with night sweats—lost all desire for food. Consulted a Physician in Warwick; was under his treatment four months without improvement. Dissatisfied, went to another, who gave me no hope of recovery, but improved a little under his treatment. One day, being very warm, I bathed in the river, and coming out of the water felt very ill. Went back to the doctor, who renewed the medicine without any benefit. In addition to the weakness and night sweats I had intense pain through my body, especially in my left side. My breathing was so painful and difficult, I thought I would be suffocated. I was five months, after the relapse, under the Doctor's treatment, getting worse every day, till the Doctor told me to go home, that I could not possibly live a week. I went home very sad. My wife persuaded me to try your Liver and Bilious Pills. I did. Before I used one box the night sweats were gone, the pain in my side better, my appetite improving. Got another box, and before it was finished, the pains were all gone, my breathing improved, and now, two months after, I never enjoyed better health, can do my work as well as I ever did. I can thoroughly recommend your Pills as having saved my life.

MICHAEL BYRNE.

WARWICK, December 30th, 1872.

TO MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed *good health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 23, 1874.

TO MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)

JOHN GREEN,
—Tentmaker, &c

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it but if I must take it give me the Eucalyptus above all others. Yours sincerely,

GALEN CLARK.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved an cured from long and great suffering by the use of thes Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you Davi Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY

David Clarke,

Manufacturing and Wholesale Chemist,

AT HIS LABORATORY,

Warwick, Queensland.

FOR SALE BY

WARREN & CO.,

SOLE AGENTS FOR THE

UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

COMMISSION SALES-ROOM, —AND— Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass o purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, o for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants —describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipmen of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and eve y article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

BOOKS---SEEDS---TREES

All rare and choice things can always be purchased as above.

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE,

AND ALSO UPON

TEA CULTURE.

A **Neat Little Bound Volume of** NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 5 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED.

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine **Patent Bee Hives** of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,

320 Clay Street,

SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Liniment for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Liniment is needed, as it has been proved to be the best Liniment known.

FOR SALE,

Wholesale and Retail,

WARREN & CO.,

320 Clay Street,

AGENTS FOR DAVID CLARKE'S REMEDIALS.

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill!*" this we cannot do without CASH, or a special understanding before hand.

WARREN & CO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, March 6, 1879.

Money and Exchange Tables.

Exc. on England, new style, long and short	4 86 a 4 88½
Gold, at par	— 1 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	8s 9d a 9s 3d.
Value of Club Wheat in Liverpool	9s 1d a 9s 7d.
Value of Wheat in New York, bushel	1 00 — 1 10
Brewers Barley in New York, bushel	95 — 1 00

MONEY AND EXCHANGE TABLES.

The subscription of the new U. S. four per cent. loan are more active than they were at the beginning and middle of the month. Mr. Secretary Sherman is kept pretty busy issuing calls for the redemption of 6-20's, to facilitate the work of exchanging the six per cents. for four per cents., he offers inducements for holders to come forward and make the change before a formal call compels them to do so. One important feature about the rapid placing of the new U. S. fours is that the great bulk of them are kept at home, foreign capitalists do not like them, and as our own people are absorbing the bonds rapidly, moneyed men abroad are not likely to be offered any special opportunities for taking the new certificates. This new condition of things will, in the future, keep the interest on Governments at home, instead of sending it across the ocean, as has been the case for so many years. European financiers, too, must be surprised at the facility with which the fours are being sold at home; to the average capitalist and banker in London and Paris, Berlin, Amsterdam, and Vienna, the placing of a Government loan anywhere, save in London, is next door to an impossibility; it may be that the foreigners are holding off from the four per cents, with the hope of securing them at a cheaper rate in a year or two.

The *Money Market* is full of money in the capitalists hands and there is plenty of loose capital in banks, as the report of the Commissioners show, our banks now show a sound condition, yet in the business circle and in the country money is hard to collect, the masses of the people want money.

The Bank of England has cut down the rate of interest to 3 per cent. France quotes very low interest, with full treasuries. Germany has more use for her money. Russia, Turkey and other nations want money.

Money in New York is a drug, as low as 1, 2, 3 per cent per annum on three months' paper.

Our bank rates are 7 to 9 and 9 to 12 per cent, according to cases—long loans can be had at 7 per cent and less.

GRAIN AND FLOUR MARKET.

The *Grain market* continues in a dull state and no prospect of a more active or better market until our holders of grain give way and meet the market, and help load the ship, that float in our bay idle now waiting for cargoes, when the holders of grain more, their grain goes, then ships load, and business will be lively again, for the large amount of grain in store counts by millions in value, and is so much capital lying idle, checking the wheels of trade.

Our grain growers we fear have made a sad mistake in their "Hold on" rule this year—the "Plague spot" in Europe is fading out, the Russian ports will open and pour into Europe their grain in such masses that a lower rate must soon rule—besides the quantity of grain in Liverpool and all European markets is now large and steadily increasing, so we can not tell where we can expect to see any rise upon the California market, for grain, certainly, not by any means enough to pay the cost of delay in selling, by interest, storage, waste, insurance, etc. If our grain holders had sold their grain months ago, and bought their bags for 1879's crop, their gain would have been a handsome sum—Let time will show who is right.

The *Flour market* is very dull, mills run half time, price is now on the down grade, and with prospects of more rain and better crops, breadstuff must rule lower.

The *Wheat market* has had a little spurt of trade for shipment, large stocks of wheat in Napa and San Joaquin counties have had a call and a few ships will hurry up cargoes at less figures and so relieve our market a little—by a letter from a correspondent (one who knows) there were 35,000 tons wheat at Stockton last week—now it begins to go—it would be a grand thing if all the holders of grain would but raise the cry

THE WHEAT MUST GO.

The *Barley Trade* dull, no rush, price nominal. *Oat Trade* the same.

The *Market* for *Corn, Rye,* and *Buckwheat* are all dull, and comparatively nothing doing.

The various *Feed stuffs*, of *Bran, Middlings, Corn Meal, Ground Barley, Oil Cake Meal,* are all the same as last reports.

The *Hay market* also remains dull, no change in price.

The *Seed Trade* will soon wake up, and more trade in this work be done and with profit.

The *market for Potatoes* has been liberally supplied and prices give way—*Sweets* are now more plenty at same rates—*Onions*, more in market and prices now about 5 cents, this is a big price.

The *Hop market* has gone after some new invention to raise a market for hops, our own market is overstocked—England is overloaded and sending her hops to Australia this takes our trade from thence, and hops won't move, and the growers are badly discouraged.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 45 — 1 50
do Choice do.	1 60 — 1 65
do Milling do.	1 67 — 1 70
Barley, per 100 lbs., feed	80 — 1 00
Barley, for brewing, (Chevalier)	1 12 — 1 20
New Rye	1 10 — 1 20
Oats, California, per 100 lbs.	1 20 — 1 55
Corn, do. do.	95 — 1 00
Flour, Superfine, per bbl	4 00 — 4 25
do. Extra	4 50 — 4 50
Extra Flour for shipping	5 00 — 5 25
Very Extra Family Flour	5 25 — 5 75
Oregon Superfine	4 00 — 4 25
do. Extra for Shipping	4 75 — 5 00
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 25 — 1 40
Bran per ton	16 00 —17 50
Middlings per ton	22 00 —24 00
Ground Barley	23 50 —25 00
Oil Cake Meal, for feed, per ton	—36 00
Beans, per 100 lbs, various	1 75 — 3 00
Beans, Lima	4 00 — 4 50
Potatoes, common	1 10 — 1 30
Potatoes, choice	1 40 — 1 90
Early Rose	1 90 — 1 90
Sweet Potatoes	1 00 — 1 30
Onions, new	4 50 — 5 00
Hay per ton, ordinary	8 00 —10 00
Hay per ton, extra	11 50 —13 00
Wheat Hay	13 00 —15 00
Alfalfa Hay	—
Straw per ton	5 00 — 6 00

Retail Prices in the Fruit Market.

The *Fruit market* increases in the show of oranges, lemons, limes, etc., from down south, in the quantity, but not in quality, the first comes in small, which indicate too much fruit upon the trees, and a neglect of pruning and culture, and a neglect also of mulching the trees in dry weather, all these things must be attended to if fine fruit is expected.

We have plenty of Island fruit and foreign fruits and nuts—while our own is far better—a few "Buerre Pears" are in market, but passe—Oregon apples continues to come, but the quantity is fading out, the display not as good as usual.

Apples, per box	75 — 1 50
do. do. lb	6 — 8
Pears, per box	2 50 — 3 00
" per lb	10 — 12
Figs, dried, per lb.	12 — 15
Tahiti Oranges, per doz.	35 — 40
Lemons, imported, do.	30 — 50
Limes, do. do.	20 — 25
Pine Apples, each	75 — 1 00
Bananas per bunch	2 00 — 3 00
California Oranges, per dozen	10 — 50
" Lemons, "	30 — 50
" Limes, "	25 — 30
Persimmons	20 — 25
California Walnuts, per pound	8 — 12
Almonds, hard shell, per pound	13 — 14
do. soft shell, do.	16 — 18
Foreign Pecan Nuts	12 — 15
Madeira Nuts	15 — 20
Foreign Brazil Nuts	12 — 15
Filberts	7 — 10
Chal Walnuts	8 — 10
Pea Nuts	

Retail Price in the Vegetable Market.

The *Vegetable display* we can say is capital, everything is fresh and nice, new potatoes, tomatoes, salads, celery, and Green Peas, Rhubarb, and plenty of mushrooms, making a good show.

Asparagus	15 — 20
Artichokes, (French) per doz.	15 — 20
Tomatoes, per lb	4 — 6
Beets, per doz	— 25
Broccoli, each	10 — 12
Cauliflower	10 — 12
Cabbage, do.	8 — 10
Carrots, per doz	— 25
Celery Root per dozen	75 — 1 00
Celery do.	— 75
Cress, per dozen bunches	10 — 12
Cranberries, per gallon	60 — 80
Dried Herbs, per doz.	30 — 40
Green Peas, per lb	— —
Lettuce per doz. bunches	12 — 12
Onions per lb	4 — 5
Horseradish, per lb	12 — 15
Okra, green, per lb	— —
Okra, dried, per lb	— 50
Choice Potatoes	2 — 2½
New Potatoes	8 — 10
Potatoes choice, per 100 lbs	2 00 — 2 50
Kidney Potatoes, per lb	3 — 4
Green Peas, per lb	10 — 12
Pumpkins	2 — 3
Parsnips, per doz. bunches	— 30
Salsify, do. do.	— 20
Parsley, do. do.	15 — 20
Pickles, per gallon	40 — 60
Radishes per doz. bunches	5 — 8
Rhubarb, per lb	12 — 15
Squash, Marrowfat	2 — 3
do. Hubbard	— 4
Lima, Dry	8 — 10
String Beans, per lb	— —
Spinage per lb	— 8
Salsify, per bunch	4 — 5
Turnips, per doz	— 30
Garlic	8 — 10
Eschalot	15 — 20
Mushrooms	8 — 10

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea. Our salmon beat the world for this choice fish.

Salmon ₱ lb	5 — 10
do smoked new	10 — 12
do pickled, ₱ lb	8 — 10
Lake Bigler Trout each	20 — 25
Lake Bigler Trout, extra	25 — 30
Smelts, per lb	— 12
Perch do.	— 12
Rockfish do.	— 12
Codfish, dry, per lb	8 — 10
Herring, fresh, per lb	— 8
do smoked, ₱ doz	— 25
Tomcod, per lb	— 12
Sardines, fresh, per lb	— 10
Solefish, per lb	15 — 20
Mackerel pickled, each	— 25
Shrimps, per ₱	8 — 10
Flounders do.	12 — 15
Sea Bass do.	— 20
Halibut do.	40 — 50
Sturgeon do.	— 4
Turbut do.	30 — 40
Terrapin, ₱ doz.	2 50 — 3 00
Pompono do.	— 2 50
King Fish do.	— 25
Anchovies do.	13 — 15
Frogs, per doz.	2 00 — 2 50

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market. Oysters are showing nice and fat and the public appetite now craves this delicious bivalve. Every day a grand show in our market.

Oysters ₱ 100 choice	75 — 1 00
Chesapeake oysters per dozen	50 — 75
Craw Fish, per lb	12 — 15
Clams per 100	— 50
Mussels do	— 25
Crabs, boiled, each	— 25
do. soft, per doz.	— 50

Retail Meat Market.

The *Retail Meat market* furnishes all the choicest kinds at unusually low figures for this season of the year, and thus is an unusual full market.

Porter House	15 — 20
Porter House, extra	20 — 25
Beef, tenderloin, per lb	18 — 20
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	8 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	10 — 12
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	10 — 12
Beef tongues, each	— 75
Pigs tongues, each	— 15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	15 — 15
Choice hams, Duffield	15 — 15
Whitaker, St. Louis, Mo	15 — 15

Poultry and Game Market.

The *Poultry market* has not been so well supplied, the weather checking supplies and prices generally higher.

The game in the market is more plenty and a good demand and liberal sales at fair prices.

RETAIL PRICES.

Ducks tame each	75 — 90
Canvas Backs, pair	75 — 1 00
Small Ducks, dozen	1 50 — 2 00
Geese tame, per pair	2 00 — 2 50
Broilers	50 — 60
Large Chickens, each	75 — 87
Hens, each	87 — 1 00
Turkeys, dressed, per lb	25 — 28
Snipe, English per doz	3 00 — 3 50
Pigeons, domestic, per doz	4 00 — 4 50
Quail, per doz	1 00 — 1 50
Hares each	25 — 33
Rabbits, tame, pair	60 — 75
do wild, per doz	1 75 — 2 00
Squirrels, per pair	— 25

Poultry and Game—Wholesale.

Broilers, per doz	4 00 — 5 00
Large Chickens, per doz	6 00 — 7 00
Hens, per doz	7 00 — 8 00
Turkeys, dressed, per lb	18 — 20
Ducks, tame, per doz	7 00 — 7 50
Canvas Backs, dozen	3 00 — 4 00
Small Ducks, dozen	1 00 — 1 50
English Snipe, per doz	2 50 — 3 00
Geese, tame, per pair	1 50 — 2 00
Quail, per doz	1 00 — 1 25
Hares, per doz	1 50 — 2 00
Rabbits, tame, per doz	1 50 — 1 75
Squirrels, per doz	75 — 1 00

Retail Dairy Market.

The *Dairy market* is now very fully supplied, even overstocked—and prices much lower all round, choice real butter selling as low as 23 to 25 to the trade, California cheese is more plentiful and at a lower figure—eggs are very plenty and the lowest of the season—see rates below.

Butter, California, Extra Choice per lb	30 — 35
do. do. for (Cooking) do	22 — 25
do. do. packed best roll	27 — 30
do. do. Eastern	23 — 25
California Eggs, per doz	23 — 25
Oregon	— 25
Duck Eggs, do.	— 52
Cheese per lb	15 — 20
do. sage, per lb	25 — 30
Eastern Cheese, do.	25 — 30
Lard, California, per lb	18 — 20
Lard, Eastern, do.	— 18
Honey, Comb	15 — 18
do. Strained	8 — 12
Vermont Maple Sugar, per lb	— 20

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb. (Fresh)	23 — 25
do. Packed Roll, do.	24 — 27
Eastern Butter	20 — 22
Cheese, California, per lb	10 — 13
California Eggs, per doz	20 — 22
Eastern Eggs, per doz	20 — 21
Duck Eggs, "	20 — 22
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	13 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging market* generally firmer and a little advance on grain bags; the price will go up, and when they have advanced 25 or 50 per cent. our grain growers will say, I wish I had bought when they were low.

Hand Sewed Bags, Standard, 22x36 cent. prices	9 — 9½ cts.
Second Hand, Extra	8 — 9½ do
Machine Sewed, 22x36	9 — 9½ do
do. do 20x36	— 8½ do
Barley Bags, 22 x 40	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— 8½ do
Wool-sacks, new	45 — 55 do
do. second hand	30 — 40 do
Potatoe Gunnies, Double Sewed	13½ — 14 do
do. do. Second Hand	10 — 10½ do
Flour Bags, quarters	4½ — 5 do
do. halfs, six qualities	7 — 10 do

Staple Home Products.

Our general assortment of *Home Products* show well, and their general increase show that our State and coast productions is fast stopping importation of many articles, and, because we grow, prepare and manufacture a better quality.

These are established facts known at home and abroad.

Flax Seed, per lb	2½ — 3½
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	8 — 9½
Castor Oil No 1 Diamond in cases, per gallon	— 1 10
" " " barrels "	— 1 05
Castor Oil, No. 2 Diamond in cases per gallon	— 1 00
" " " barrels "	— 85
Linseed Oil, Boiled	— 75
do. Raw	— 72
Cocoa Oil	— 55
Hops, California	3 — 10½
A falfa	12 — 14
Mustard Seed	3 — 3
English do.	4 — 5
Canary Seed	4 — 5
Coriander Seed	5 — 10
Broom Corn	4 — 6
Bees Wax	23 — 20

California Leather Market Report.

The *Hide, Leather* and *Tallow markets* partakes of the general stagnation of trade—waiting, waiting, for a revival, no change since last week everything dull, little or no sale.

California Sole Leather	23 — 30
do. Harness do.	— 30
do. Skirtings	— 37½
Bridle Leather	33 — 36
Rough do. Oak Tanned	1 8 — 26
Waxed Calf Skins	50 — 1 00
do. Kips do. per dozen	30 00 — 55 00
do. Leather per foot	15 — 17

Wool, Tallow, Hides, Etc.

The *Wool market* makes no sign of trade till the new clip comes—trade here at a standstill—in New York, Boston and Philadelphia it brightens up, as manufacturers are buying wool more freely.

Wool, Spring Clip	15 — 18
do Choice Extra	17 — 18
Fall Clip	14 — 18
Oregon Wool, per lb	19 — 21
Medium, bright	12 — 14
do. Burry	10 — 11
Goats' Wool (mohair)	20 — 75
Dry Hides, per lb	14 — 16
Green Salted, per lb	7 — 9
Deer Skins	60 — 1 00
Sheep Skins, wool on	25 — 75
do. do. plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	5½ — 6½
Tallow, refined	7 — 8

Average Slaughtering Prices.

The *Wholesale Meat market* continues well supplied, and at low figures, the quality of the meats in our markets are always A No. 1—this week prices are low.

Beef, American, 1st. quality	5 — 5½ cts
do. do. 2d. do.	4 — 5 do.
do. do 3d. do.	3½ — 4 do.
Veal	6 — 8 do
Mutton	4 — 4½ do
Lamb	12 — 12½ do
Pork, Undressed	3½ — 4½ do.
do. Dressed	5½ — 6 do.

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED ACcommodations for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU March 17th, and every fourth week thereafter.

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports; also, HAVANA and all WEST INDIES ports on 5th and 20th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

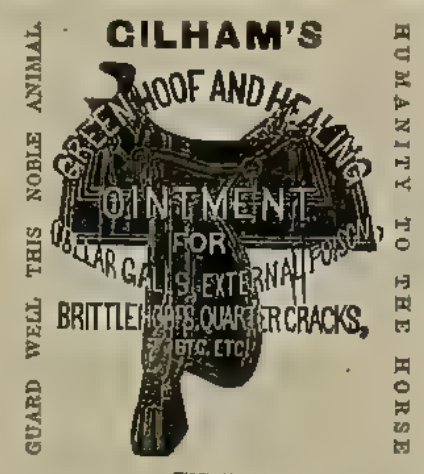
WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

47:5

CILHAM'S

HUMANITY TO THE HORSE



GUARD WELL THIS NOBLE ANIMAL.

—CURES ALSO—

Burns, Bruises, Scratches, Scalds, Mange, Etc., Etc.

IT IS THE BEST, AND ONE OF THE MOST REMARKable external applications in use. Recommended and for sale by all traders, druggists and harness makers.

MAIN & WINCHESTER,

214 and 216 BATTERY ST.,

48:16 SAN FRANCISCO.

AUZERAIS HOUSE,

SANTA CLARA STREET, SAN JOSE.

S. W. CHURCHILL, Proprietor.

Auzerais House Coach and Carriages always in Attendance on arrival of trains.

$66 a week in your own town. $5 Outfit free. No risk. Reader, if you want a business at which persons of either sex can make great pay all the time they work, write to particulars to H. HALLETT & Co., Portland, Maine. 47:22

C. P. R. R

COMMENCING

SUNDAY, JUNE 8th, 1875,

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma. (Arrive 6:55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 6:55 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 6:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 9:55 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Caliente and Los Angeles. Also at Niles with Train arriving at San Jose 6:55 P. M. (Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11 10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily. (Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND.

"Daily" 7 00, 7:50, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M., 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.

"Daily, except Sundays" 6:40 A. M. and 1a 15 P. M.

"Sundays only" 12:30 and 12:30 A. M., 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4:00 5:00 6:00 and 10:30 P. M.

"Sundays only"—11:00 A. M., and 1:30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M.; 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—7 30, 8:30 and 9:30 A. M.; 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—6:30, 11:00 A. M. and 11:45

"Sundays only"—10:30, 11 30 A. M and 12:30 P. M

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 and 10:10 P. M.

"Daily, except Sundays"—5:10 and 6:30.

"Sundays only"—11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:03 and 9:00 A. M.; 3:00, 3:58, 5:00, 6:03 and 7:00 P. M.

"Daily, except Sundays"—5:00, 6:40, 11:30, A. M., and 1:30 P. M.

"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—6 55, 8:00 and 11:05 A. M., 3:50 and 6 05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily" 6:50, 7 20, 7 50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11 50 A. M., 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:30, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays"—5:20 A. M. and 1:50 P. M.

"Sundays only"—10:20 and 11.20 A. M.; 12:20, 1.20 and 1:35 P. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

Winter Arrangement.

Commencing Monday, December 5, 1878,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows

8:30 A. M., Daily for San Jose, Gilroy Hollister Tres Pinos, Pajaro, Salinas, Soledad and all Way Stations.

AT PAJARO connects with the SANTA CRUZ, R. R. for Aptos and Santa Cruz.

At Salinas connects with the M. & S. V. R. R. for Monterey.

Stage connections made with this train.

10:40 A. M., Daily for San Jose and Way Stations.

3:30 P. M., Daily, (Sundays excepted,) for Gilroy.

4:40 P. M., Daily for San Jose and Way Stations.

6:30 P. M., Daily for Menlo Park and Way Stations.

The extra Sunday train to San Jose and Way Stations is discontinued for the Winter season.

EXCURSION TICKETS to San Jose and intermediate points and return sold on Saturdays and Sunday mornings—good for return until following Monday mornings.

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 4:00 P. M. daily, and making close connection at GOSHEN for Sumner, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton Colorado, River and YUMA.

S. P. R. R.

(NORTHERN DIVISION.)

SPECIAL ANNOUNCEMENT

Commencing Saturday, July 13, 1878.

EXCURSION TICKETS

Will be sold by this Company from

SAN FRANCISCO

—TO—

San Jose and other Points and Return,

At Greatly Reduced Rates.

Tickets to San Jose, good for Return by either the Southern or Central Pacific Railroads.

These tickets will be sold ONLY on SATURDAYS and SUNDAY MORNINGS.

The RETURN TRIP Ticket will not be good for passage after the MONDAY following the date of purchase.

Ticket Offices—Passengers Depot, Townsend Street and at Valencia Street Station.

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Ticket Agent.

NOTICE—SAN JOSE Excursion Tickets (via C. P. R. R.) can be purchased at the Offices of the Central Pacific Rail Road, Oakland Ferry, foot of Market Street, San Francisco, also, at the several Ticket Offices in Oakland. 48:6

1854. 1879.

THE CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FIFTH year with 1878, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD of the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on this Coast—this was at Sacramento in the year of 1852, and at the GRAND FAIR at San Francisco in 1853—both these Agricultural Fairs were planned, maintained, and conducted successfully as an individual enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

THE CALIFORNIA FARMER was the first and only advocate of SILK CULTURE, TEA CULTURE, COFFEE CULTURE, COTTON CULTURE, and the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS and this was in early years when the masses lightly esteemed all such enterprises.

THE CALIFORNIA FARMER was the first and ever advocate for the planting of the ALFALFA as a forage plant, and the first to introduce the seed and its culture, and not only this grass, but all other valuable grains and forage plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STONE WHEAT, of SUMMER FALLOW, of SUBSOILING, and of DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL doctrines that to-day now, after long years of trial become the basis of true and successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE of AGRICULTURE, which such years of labor merit, as the JOURNAL sends out NO AGENTS, NO RUNNERS, but only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

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California Farmer 1879.

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CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, MARCH 20, 1879. NO. 5.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

No. 320 Clay St., (up Stairs) Below Battery,

SAN FRANCISCO.

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All Letters on Editorial Matters to be addressed to COL. WARREN, Editor.

☞ All Letters on Business connected with the Office should be addressed to

WARREN & CO., Publishers.

WASHINGTON.

From our Specia' Correspondent.

WASHINGTON, D. C., January 6, 1879.

COL. WARREN—*Dear Sir*

Our lazy, do-nothing holiday week which began amid holly Christmas greens and children's rejoicing, joy-bells and gift-laden trees, and which ended in ice, snow, watch meetings and fashionable receptions, is only now fairly over. Now comes a fresh beginning in everything. Schools and meetings, salaries, clerkships, house-rents, lecture courses, diaries, everything begins anew at this time. It almost seems as if the new year ought to begin in Spring-time, with the world's new life and nature's fresh beginning. Congress re-assembling is very like the opening of a new session. There is apparently as much hand shaking, as many questions and answers, as if the sage brethren had not met for six or eight months instead of after only a two week's separation. To what the august body will first turn its attention is now the mooted question before the political public. Lobbyists are here in full force, one wanting one thing, another hoping for something else. What with lobbyists, constituants, newspaper reporters, and so on, the average Congressman must have a sorry time of it here. He may well be counted among the wicked for whom there is no peace. The Senatorial contest in Kansas has awakened much interest in certain circles from the personal relations of many here with the several contestants, and from the disgraceful developments in the case of the present incumbent, Mr. Ingalls, whose desire to succeed himself has kindled a fire in his rear that threatens to overtake and utterly consume him. A letter has been published in which Ingalls threatens a Kansas postmaster with removal unless he promptly pays over a certain amount monthly to a person indicated, "according to contract," with him, (the Senator). This has left a decidedly bad impression and tends to confirm the belief entertained by many that Ingalls was really at the bottom of the "put up job" on Senator Pomeroy a few years ago, accusing the latter of bribing for the evident purpose of defeating him in the Senatorial race. All remember how successful it proved by springing the matter suddenly on the Legislature and taking advantage of the resulting demoralization. The reaction in Pomeroy's favor in Kansas is shown by his prominence as candidate to succeed Mr. Ingalls.

The following is the result of an estimate of the strength of the average Republican candidates before the Kansas Legislature, made before this Ingalls' scandal became public; Ingalls 50; Anthony 30; Phillips 20; Simpson 15, and Anderson, Campbell and Pomeroy the balance of the 130 votes. It is now intimated that many of the Ingalls and Anthony men will give their candidates a complimentary vote then go over to Pomeroy who is accounted about the best representative of Kansas interests over in Congress.

The public reception at the White House on New Year's day went off more pleasantly than on many similar occasions. The unpropitious state of the weather prevented a crowd; hence the great comfort to those present. These annual receptions are divided into several parts for the sake of order and perhaps for other more aristocratic reasons. Cabinet officers are first received at 11 o'clock A. M; then come the following in the order named; Members of Supreme Court, Senators, Representatives and other high officials. At 1 o'clock the "sovereign people" are admitted. High and low, rich and poor, black and white, all are inextricably mixed in the grand rush to be the first in. Only one distinction is observed towards them not enforced against the big bugs and little bugs who have preceded them; that is the crowd is forced to "keep moving" while those who preceded them are allowed to pay their respects a trifle more leisurely. Last Wednesday Mrs. Hayes was dressed in rich, ivory-tinted silk with train and high waist cut V shaped in front, and filled in with fine lace. She wore no jewelry, her only ornaments being a white plume, and ivory comb in her purple-black hair. Four ladies assisted Mrs. Hayes, and the President, Vice-President and Webb Hayes were also in the line of the receiving party, Mrs. Jewett, of Chicago, wore lemon-colored silk and point lace; Mrs. Gen. Hastings (*nee* Emily Platz, President Hayes's neice) was in a princess robe of blue silk brocaded with silver threads and natural-tinted flowers. The other ladies wore equally rich and handsome toilets. The parlors were beautifully decorated with festoons of similax and pots of luxuriously growing tropical plants from the conservatories, and beautiful flowers were on the mantles and tables about the rooms. MARTHA.

Eastern Correspondence.

EMIGRANT'S ENQUIRY.

RICHMOND, IND., February 12, 1879.

COL. WARREN—*Dear Sir.*

At the suggestion of the Cincinnati *Weekly Gazette*, I write you for information in regard to the price of land and the inducements offered to sheep raisers in southern California. On what terms can land be bought, and what is the opening for a young man with but a few hundred dollars to start with?

Any information in regard to the general affairs in the vicinity of Los Angeles will be thankfully received. Also, what is the opening for a young man to enter business? I am teaching school at present. Have spent one year in Cornell University. Have a fair knowledge of book-keeping and would be willing to enter any profitable business that may offer. I am thinking of making California my home and so desire information. Hoping if it will not be too much trouble, you will give me what information you can, I am,

Yours truly.

OUR REPLY:

The above is about the style of hundreds of Letters constantly received at our Office, and it would be very difficult to prepare such answers as would meet all cases as a general thing, for as to the *Price of lands* the value varies according to its location and quality, and its nearness to the Railroad and markets.

Good land varies from $10 to $100 per acre, sheep raising has paid well generally, and sheep raisers have made themselves rich, *i. e. those that managed well.*

A young man or an old man cannot expect to "set the world on fire with but a few hundred dollars," *cash* is one of the best implements to have to carry on a farm.

Los Angeles and all the Southern Counties are doing well, crops good, business fair with promise of a good harvest year.

We cannot offer any great inducements to young men that are *without much means* for any great business operations—*money* is the essential, and any young man that is now doing well *East* we say, hold fast to a good position and stay where you are, "let well enough alone" too many persons give up a certainty for an uncertainty—and regret it when too late.

Colorado Hemp.

Our attention has been called to a species of wild hemp which grows on the bottom lands of the Colorado river. The botanical name of the plant is Appocynum, Cannabinum. Its grows about nine feet high and in general appearance resembles our native wild mustard. Its fiber which is white, fine and strong has been used from time immemorial by all the native tribes of the Colorado river for their ropes and for their clothing. There are also other plants which they use for this purpose. This is however preferred by them where great strength is required. This plant has attracted the attention of the Agricultural Department at Washington, and also of paper manufacturers of the East. We learn that an Eastern manufacturer has sent a practical man who is also a scientist, to make an examination of the plant in its native habitat. If his report is favorable the plant will be cultivated in its native soil and climate for an increased growth with the object of shipping the fiber East to be used in the manufacture of the finer kinds of paper requiring great strength.

AUSTRALIA.

AGRICULTURAL NEWSPAPERS.

Editors, strangers and citizens from the Eastern, the Middle, or Southern States, also Editors over our own Coast who may desire to see or refer to their own Journals, or any Agricultural or Horticultural Journals, will always find them on file in the FARMER READING ROOM, to which they are always bid welcome.

ONE HUNDRED of the leading Journals and Magazines of this class, the best in the United States, are in this collection, giving to those in search of Agricultural knowledge the best Information on this Coast.

A Large Library also, for *General Reference.*

Australia and California

We have full files of Australian Papers from all parts of Australia, showing the great interest they take in this Country, one thing of great moment, is the "Steamship Line," it is of vital importance to the welfare of the Colonies, and so vastly important to the Pacific Coast in the great trade that can be built up between the Colonies and California, if our Merchants do their duty.

These Journals are arranged on file for the convenience of all who may desire to peruse them. We have as follows:—

The Sydney Morning Herald, Sydney.
" *Town and Country*, Sporting Paper, Sydney
" *Australasian*, Melbourne.
" *Weekly Times*, "
" *Adelaide Observer*, Adelaide.
" *Queenslander*, Brisbane, Queensland.
" *Week*, " "
" *Capricornian*, Buckhampton, Queensland
" *Port Dennison Times*, Port Dennison.
" *Wide Bay and Burnett News*, Queensland.
" *Darling Downs Gazette*, Toowoomba, "

Many of these Journals are of the largest size, from 20 to 38 pages, several, splendidly illustrated with views of the Public Buildings, Landscapes, Public Men, Stock, etc.

CONTRIBUTIONS FROM QUEENSLAND.

We Invite all our readers and our citizens especially who are interested in our MANUFACTURES and the MECHANIC ARTS, and our AGRICULTURE, to visit the FARMER Office and see the RICH PRODUCTS brought from QUEENSLAND by the Commissioner, they are now on Exhibition open to all, in the READING ROOM and MUSEUM of the CALIFORNIA FARMER OFFICE.

The Great Sydney Exhibition.

We are truly glad to see our citizens moving now to prepare for the coming Exposition in September next at Sydney.

We are glad also to know that H. H. Williams, Esq., the able Agent of the Pacific Mail Steam Ship Line, is so kindly favored to this Enterprise; and we are assured by him that he will do all he can, by a liberal plan of freights, to forward so important an opportunity for our merchants and manufacturers to make a grand display from the Pacific Coast.

We are glad to see meetings called to carry out this good work, but to make it a complete success a strong and efficient Committee should be selected to manage the whole affair this side, and if such men as W. T. Coleman, merchant, W. L. Booker, English Consul, J. C. Merrill, merchant, Hugh Craig, New Zealand Insurance Agent, with a member from some six or six firms that are interested in Australian trade could be added, the work would be a Triumph—let this be done.

AUSTRALIAN EXPOSITION.

We are informed that arrangements are in contemplation with several of the leading manufacturers in the East of agricultural machinery, to send a well arranged assortment of their manufactures to the Australian Exposition. And that the medium through which these several interests are to be represented, will be a well known gentleman of this city, who has had great experience in every department of agricultural machinery, both as an extensive manufacturer, user, and vender of the same.

His commercial education, business knowledge, great experience, commanding ability and address as a salesman, fit him in an eminent degree to represent most efficiently and ably the important interests to be confided to his care.

We suggest in this connection that such manufacturers in this city (of whom there ought to be scores, if not hundreds), as contemplate sending samples of their wares to this Exhibition avail themselves of this same medium, by means of which their expenses will be greatly lessened, and their several interests ably represented. The time for opening the Exposition has been extended from August 1st to September 1st, by reason of which ample time is given all to make the necessary preparations and shipments.

OUR MINES.

What an excitement about our Mines; no other interest in our State has the power to create so sudden and uncontrollable a *furore* as the mining interests of this Coast, let but the words go forth that *Sierra Nevada, Union, Ophir* or *Con. Virginia* had made some astounding development in their lower depths and the result would create a *rush like the cry of fire* in a theatre, when the audience are deepest engaged in some exciting *tragedy.*

Perhaps our similitude is an apt one, for our people are deeply engaged in what has ended in a tragedy to many, the theatre they attend is on *Pine* or *California* streets, and thousands know how they have been excited by the fire cry of *new discoveries*, which after a brief time like the "will of the wisp" led them on *to ruin.*

It seems strange indeed that so *great an interest* as our Mines should now be at so low an ebb that of all the long lists daily reported there is scarce a paying mine, and *dividends* are as angels' visits, while assessments are as plentiful as *flies* in a *butcher house.*

It is a matter of serious inquiry, where are all our dividend paying mines? the present status cannot long continue—all *assessments* and no *dividends* would soon *break the Bank of England.*

We have a very interesting Document before us that was sent us some months ago, being a report of the BONANZA DIVIDENDS from May 1874, to March 1878, the Dividends for 8 months of the year '74 were $324,000 each month, from that date to March 7, '78 each mine paid the dividend of $1,080,000, of which

Con. Virginia paid	$38,880,000
California "	24,840,000
Making a grand total of	$53,720,000

These were official figures.

And we ask, where has all this SIXTY-THREE MILLION DOLLARS GONE?

That immense amount was dug from the Mines, those dividends were paid, and now where is that $63,000,000?

We wait for an answer.

THE WORLD'S MONEY.

While the cry is going over the world of the depression of trade want of employment for the laboring man and such scarcity of money that the poor are provided for by the great hearted, and the Benevolent Societies of our land, let us see how great is the *scarcity* of money in the *great Money Marts* of the world.

The financial condition of the *six* famed monetary centres at the close of business up to Feb. 1, 1879, was as follows:

Gold on hand, coin and bullion, Feb. 1, 1879.

The Bank of France	£ 81,002,000
" Bank of England	20,008,700
" Bank of Germany	24 850,000
" Bank of Austria	10,142,000
" Bank of Netherlands	10,352,000
" Bank of Belgium	8,920,000
Total	£171,300,700

These Banks are the National Banks, and the public depositories and managers of the Nation's finances and fix rates of interests and values of Nation al Bonds, Consols, etc., and the vast amount named above if reduced to our American Currency equals the enormous amount of over $850,000,000, and with capital of private Banks and other National Banks not reported, of Russia, etc., would swell the gold and silver coins of Europe to a probable sum of nearly the amount of our national debt of *Two Thousand Millions of Dollars*, and yet while interest here ranges from 7 to 12 per cent. the rates in Europe are now from 3 to 4½ as extremes, and yet we have the cry of scarcity of money among our industries, and hard times among the laboring classes.

AGRICULTURAL IMPLEMENTS.

The season is opening for the busy work of the FARMER, plowing and planting of grain is nearly over, save on the tule and swamp land where work is still to be done and planting will be continued.

PLOWS, MOWERS, REAPERS, HARVESTERS and FARMERS' WAGONS are now being sold steadily, even in these dull times of trade.

GEO. A. DAVIS.

We take pleasure in announcing to our farmers that Geo. A. Davis, Esq., who has just returned from an extended trip at the East among the manufacturers, the agent of the very justly celebrated plows of the Furst, Bradley & Co. manufacture at Chicago, that have won so much approval and been so largely used on our tule lands, has received a large invoice of these plows by rail.

Mr. Davis is also the agent of the celebrated Fis Bros. & Co.'s farm wagons, from Racine, Wisconsin. Mr. Davis is also agent for the sale of the celebrated Anson Wood's Mowers and many of the best kinds of AGRICULTURAL IMPLEMENTS now in use, and we take pleasure in commending the farmers of our State to call on Mr. Davis at 327 Market Street, at his warehouse, and examine the NEW IMPLEMENTS now being displayed.

Mr. Davis will offer his implements of new patterns and his wagons and buggies at very accommodating prices, as is sure to win the approbation of all who call on him.

OLE BULL.—This most wonderful Violinist, the very *maestro* of this magic instrument, still lives and enjoys good health and a happy life at his home at Madison, Wisconsin, the best wishes of thousands of his warm friends on the Pacific Coast rejoice at his happy old age.

BE TRUE TO CALIFORNIA.

Walter Brown & Son's Monthly Wool Circular.

NEW YORK, March 5, 1879.

During the month of February there was a moderately active trade in wools of all descriptions, and prices were steadily maintained, and notwithstanding the temporary disturbance occasioned by the failure of some large woolen manufacturers, a fair average amount of business has been transacted. The supplies of wool in dealers' hands are naturally becoming reduced, but there seems seems to be quite enough remaining of most descriptions to meet the requirements of consumers until the next clip shall become available.

An increased demand for medium grades has developed, which may occasion some scarcity before the market can be replenished; a few weeks, however, will bring forward the early clip from the Southern States, to supply any deficiency there may be in this grade, while the approach of the California spring shearing, with an increased clip, is near enough to assure consumers of finer qualities against any fears of a wool famine.

Present rates will probably be maintained throughout the remainder of the season, and there is likely to be little material variation in values.

Our first public sale of wools in Boston, held on the 26th of February, attracted considerable attention from both manufacturers and dealers from the Eastern States. The offering was not very large, but the spirited bidding of the manufacturers present showed that they appreciated the desirable character of the wool, and the manner in which it was arranged.

The principal point established by the sale is, the fact, that desirable wools which are offered at public sales which are properly and fairly conducted, are sure to attract buyers who will pay the market prices of wools so offered.

As evidence of this, we give prices obtained for the principal lots offered which were bought by our best manufacturers—Ohio XX fleeces, 33½c. and 34c.; Ohio X fleeces, 33c.; Wisconsin, 32c.; Michigan X, 31½c.; Unmerchantable, 28½c.; Ohio fine unwashed, 23½c.; Medium unwashed, 24½c. There being but a comparatively small stock of California wools in the market, none of these were included in the sale; had there been such to offer they would undoubtedly have brought good prices.

PULLED WOOLS.—There has been a good demand for all well conditioned and well sorted pulled wools at full market value, and the receipts from the best pullers are well sold up—mixed and irregular parcels still remain comparatively neglected.

CALIFORNIA WOOLS.—Quite an active business has been done in California and Oregon wools and the desirable lots have been in great measure taken by consumers at prices not materially varying from our last quotations.

TEXAS WOOLS have also received a good share of attention, and some large lots have changed hands and many smaller ones gone into consumption. There are still some desirable parcels on the market, and a considerable quantity of undesirable stock which should be cleared off before the new clip comes on the floors.

Tub Washed Wool.

Choice	35 @ 37
Fair	30 @ 34
Inferior and Burry	27 @ 30

Pulled Wool.

New York City extra Pulled	30 @ 33
New York City super Pulled	31 @ 33
New York City Lambs Pulled	29 @ 32
Western super and extra	26 @ 30
Country extra Pulled	32 @ 35
Country super Pulled	33 @ 37
Country Lambs Pulled	31 @ 34

New Mexican and Colorado.

	Superior.	Average.
Washed	20 @	16 @ 19
Unwashed	19 @ 24	16 @ 19
Black	12 @ 15	11 @ 12

Oregon and Southern States.

Unwashed Clothing, average quality	21 @ 25
" Combing, " "	23 @ 26

California.

Spring Clip, fine	20 @ 25
Spring Clip, medium	20 @ 25
Spring Clip, low grades and burry	14 @ 19
Fall Clip, A 1	14 @ 18
Fall Clip, low grade and burry	12 @ 14

Texas.

Fine Eastern	20 @ 24
Medium Eastern	19 @ 24
Fine Western	17 @ 19
Medium Western	16 @ 18
Inferior	14 @ 16

Foreign Wools.

Cape of Good Hope	25 @ 28
Buenos Ayres Merino and Mestiza	25 @ 27
Montevideo Merino and Mestiza	27 @ 32
Australian Clothing	35 @ 38
Australian Combing	36 @ 39

TEXAN CATTLE DRIVE.—Mr. J. W. Taylor arrived in this city on Wednesday (yesterday) from Austin, Texas, where he reports that at an impromptu gathering of prominent cattle men, estimates were made of the coming "drive" of cattle from Texas to Kansas and the northern Territories, which placed it at 175,000. Advanced prices have deterred many from driving, and most of the cattle which will be driven were purchased last fall at lower prices than are now ruling.—*Kansas City Commercial Indicator.*

Agriculture.

Plow deep, while sluggards sleep,
And you shall have grain to sell and to keep.

HOW WE SAVED THE OLD FARM.

CHAPTER II.

We had sat but a few minutes when Clarence gravely changed his seat from the chair where he had been sitting, into the arm-chair by the stove, which had always been called "father's chair," either as if thus asserting his position as the head of the family, or perhaps from an idea that what he was about to say would have more weight if advanced from that position, and when my mother glanced at him as if in surprise, he looked full at her and asked, "Have you thought much to-day about what Uncle Robert said, and of his two plans for us?"

Not much, my son, and I do not feel ready to decide yet. We can live as we are for a while, and when I can, I will go over and talk with your Aunt Matilda and the squire about it. Robert is a smart man in the city, and in his own business, but he has not judgment for us down here upon a farm, I am afraid, and I cannot bear to think of leaving the old farm, unless there is no other way for us to do."

"But I think I can see another way, mother, besides either of Uncle Robert's plans, and I have thought it carefully over, and *now* I want you to think of it and see if it is not better than the others; it will enable us to stay here together upon the old place."

"How?"

"Do you know that I am sixteen years old, and Ned is over fourteen, and we know how to do almost all kinds of farm work, and I can do as much as a man at most work; and I think we can run the farm so as to make a living for ourselves."

"And I am willing to work just as hard as ever I can," says Ned, "and I will help milk and do chores and drive team, and shovel and hoe, and help take care of hay, and dig potatoes, and cut wood, or do anything, if you only will say that you will not go to Blackington. Just think of those boys we used to see when I went there with father, begging for apples, as if they were half-starved, and swearing if father wouldn't give them any; and if he did, they came back again, lying, and saying that they had not had any. I know them even when they had swapped hats and coats before they came back. You wouldn't want me to look like them, would you mother?"

"No, Ned; I should not expect you to look or act like them, even if we moved there, but I cannot say about you and Clarence managing the farm. You are only boys, and I am afraid that you could not do work enough to make a living on the farm. It would be quite an undertaking."

"But, mother," said Clarence, again in his moderate way, "I have thought it all over, and I know just what lots father meant to plant next year, and I know how to do the work, and I shall not plant quite as much, so that there will not be so much to take care of, but I will put on manure heavy where I do plant, and I see if I can't raise as much on a little field as we used to on big ones. I heard Squire Grey tell father one day that he ought to do so. And, then, I remember what I have read in the old *Farmers*, and *Ploughmans* and *Cultivators* that I have borrowed, and I think I can manage it so it will pay."

"But that mortgage will be a drag on us all the time, and you never can make a living for us and pay that; only you two boys."

"Well, we can pay the interest on it as has always been done, and the squire will not want anything more than that until we get older and can make more. And you can make the butter, and Alice can take care of the hens and chickens, we will sell butter and eggs and chickens, and I will raise calves and pigs and lots of other things on the farm to sell, and I know we can get money enough to live on, and pay the interest besides. What do you think of the plan, mother?"

"I am afraid you and Ned do not realize how hard you must work; and what will you do if you have a job that you do not know how to do, or that is too heavy for you, or if any of the cattle are sick?"

If I do not know just how to do, I will ask some of the farmers in the neighborhood, if I cannot find out by reading my papers; and if I have a hard job I will get Jake Wood to help me. He knows how to do everything after some fashion or other, and we could get him for a few days at any time, you know."

"'Talk of angels and you may hear their wings,'" said my mother; I believe I hear Jake's wings now."

And surely enough, we could hear a lumbering tread coming up the foot-path to the backdoor, which certainly sounded like the foot-falls of the individual mentioned, though there was not much resemblance to the usual idea of angels' wings; but as I never heard angels' wings, I cannot tell. And while he is coming in, let me introduce him to your acquaintance. Jake is one of those harmless individuals who have never settled down to any steady occupation. There is perhaps a taint of the blood of some Indian ancestor in his veins; such is the usual opinion of the country people about him, and it is borne out as much by his habits as by his long, straight, black hair, dark complexion and prominent cheek bones. He lives alone in a little cottage near the edge of the great swamp, and has done so since his mother died, many years ago. Alone, I say, excepting a hound, which is his constant companion indoors and out. He is a famous hunter, trapper, and fisherman, and by his earnings in that way, and the products of a little garden near his cottage, and, with the proceeds of berry-picking in the summer, he is independent, and under no obligations to work for any other man; yet he can be got to work a few days when any neighboring farmer is hard pushed; but it will be only a few days before the roving spirit will seize him, and he must be off. Some favorite spots of berries have ripened and must be picked, and Jake knows many such places almost inaccessible to any one else; or he gets to hankering for rabbit or partridge meat, and fish, and off he goes. I have heard that he once worked for Bill Varnum over a week, when Bill was sick, and no one else would work for him because they thought Bill was poor pay. At any rate, there is no surer way to get Jake's help than to tell him that you had been everywhere else and could not get any one to help you. But it is time to let him speak for himself, which he will not be backward about doing, now he is in the room, with his hat under his chair, his dog Rover beside him, and his game-bag in his lap. Jake would resent any attempt to take his hat and hang it up as an insult, and I am not sure but Rover would also resent it. The game bag is not empty, and I feel sure that he means to leave its contents here. I am planning already with what I will refill it, for such exchanges are not uncommon with us.

"Good-evening, ma'am, and young folks," said Jake, as he took the chair which I put by the stove for him; thought I must come in and see you a few minutes, bein' as I was comin' this way. Should have brought my wife along, too, only the baby is having the hoopin' cough and she couldn't leave it and daresn't bring it." This, by the way, is a favorite joke of Jake's, and seldom fails to win a smile from the younger portion of his audience. The idea of Jake having a wife and baby.

"I am sure, Jacob," said my mother, smiling faintly," "I should be glad to see your wife, if she could come with you."

"Well, ma'am, you just wait till a sartian little gal gets a half-dozen years older, and you may see stranger things than that," said he, with a significant glance at me. "If she only learns to eat partridge-meat and chestnuts, which is all we have down at our house, she may grow up so as to suit me. Just you look in this, Miss Alice, and see if you can't find some better place for what is in here than in Jake's game-bag."

And I, knowing Jake's way too well to feel any offence at his remarks, or the way in which he proffers his well-meant gift, take it to the pantry, to find a plump pair of partridges, and the rest of the bag filled with chestnuts, as he had indicated, and I called mother to consult about the propriety of filling it with apples and a generous strip of pork; and when I had done so I came back to hear Jake saying:—

"Most distressing circumstances, ma'am, and happening so sudden like. But as the preacher said, 'In the midst of life we are in death,' and we don't know whose turn may come next. And now, I suppose, you will be breaking up and selling out. I declare it always makes me feel almost as bad as a funeral to see a man's little sticks and tools that he has worked to get together, just such as suit him, and that he has got used to, and the critters that he has taken care of till he likes them, faults and all, sold off at auction, and going East and West and North, 'mongst folks that don't think nothing of them only that they got them for so many cents. I reckon sometimes 'twould be better to do as the Injuns did. They had their bows and arrows and tools buried with 'em, and the horse killed on the grave, too, they say. I know about the arrows and tools, anyway, 'cause I've found them in the graves. But, to be sure, what a hole it would take to put in Squire Grey's tools, now!"

"But," interposed Clarence, who felt as we all did, that Jake's jeating was a little ill-timed; "we are thinking of trying to get along without selling. I have been telling mother that Ned and I can run the farm so as to make a living off of it, and if there is anything we don't know how to do, or are not able to do, we must look to you to help us out. You would, I know, wouldn't you, Jake?"

"Stand up and let me look at you, boy," said Jake, gravely. He did so, and we all looked. Not a very tall lad of his age, but broad-shouldered and well-made, with an earnest look upon his face that showed that he would not be hindered in carrying out his plan by trifles. "Why, you was only a boy when I helped your father cut the bog meadow last fall, and now you look like a man. You'll do. How is Ned? can you help about this job, boy?"

"I am willing to do almost anything rather than to leave the old farm and see things sold off, and I can do lots of work when I have a mind to."

"Well said, Ned. I reckon you are the right grit, and if anything old Jake can do will help yer, you need not be afraid to name it. I could run over for a day or two almost any time, and I know how to do lots of odd jobs that will come handy to you chaps, I expect."

"I am sure, Jacob," said my mother, who I fancied, did not quite like rushing so hastily to a conclusion of such an important matter, and perhaps thought Jake not the best adviser that could be chosen, "the boys ought to be thankful for your very kind offer, and I am also; but we have not yet decided upon it, and I must think it over and talk to Squire Grey about it before I agree to it; and until then I should prefer not to have anything said about it among the neighbors, so I hope you will not speak of it, Jacob."

"Well, ma'am," said Jake, "I always calculated that a man had two ears, and two eyes, and only one tongue, because the Almighty meant that he should not tell more than half what he saw, and half what he heard, and my tongue hasn't worn my teeth out yet. Guess they can stand guard over it awhile longer, anyway, and if I want to talk very bad about other folks' business, I just take Rover into the house where we are all alone, and I talk to him, and he never tells anybody of it. But I must be getting home again, or the wife will pull my hair when I do get there. And I allow that the job is as good as settled if you are going to talk to Squire Grey about it, for he has got a head, the squire has; and he can see as far into a millstone as the man that picks it, and he knows the stock there is in these lads."

"I guess, Miss Alice, you and mother didn't lighten the game-bag much while you had it in the closet there, but I shall see when I get home. Come, Rover," and Jake reached for his hat, swung the strap of the bag over his neck, and was backing out of the door before we could make any reply to his remarks, and the hearty "Good-night, ma'am; take care of yourself for me, Alice! Good luck to you, boys; Jake will help you all he can, every time," which he delivered as he got into the doorway, just ready to close it after him, might have been considered as his farewell shot.

There were a few moments' silence after he went out, until we heard the last echo of his shrill whistle going toward his solitary home, and then Clarence began again:—

"And will you, mother, actually go over and talk to the squire about it?"

"Yes, I think I will, for I should be very glad to try your plan if I can see any hopes of your succeeding in it; but I feel very doubtful about it, and you must have a stronger advocate, and a better promise of help, if you need it, than Jake."

"Now, mother, you know Jake is not lazy, for he is a first-rate hand to work when you can get him, and he is not to blame if he wants to hunt or fish part of the time, especially if, as some folks say, he makes more at it than he does at work for the farmers. And his promise is always good, for he always comes to work if he says he will. But may we all go to Aunt Matilda's with you? I shall want to talk to the squire, and Ned and Sis will like a day there, and we can do the chores and go over there to-morrow morning, and we can get back at night early enough to feed and milk."

To this, mother gave a reluctant consent, I thought, but I thought she also was desirous of having a decision reached upon this important question, and indeed it was quite time, for it was now late in January, and if she should decide to sell, the early spring would be the best time, while if she adopted Clarence's plan, the sooner it was decided upon the sooner we should feel as if we were settled, for since Uncle Robert's words I had felt very much as if we were living upon sufferance, liable to be turned out at any minute, and so, I thought, had mother. But nothing more was said of the plan that evening, although Ned and Clarence had some talk about the fine stalk at the squire's, and Ned and I laid our plans for the day, knowing that our big brother would be apt to be closeted a part of the day with the old folks, of whom he had so suddenly become a part, or would become a part if he was promoted to farm manager. We had not been to the squire's for a long time, nor had we seen him or Aunt Matilda, expecting at the funeral, when the etiquette of Brookfield would not have allowed anything but the interchange of the common salutations between those who were known as mourners, even if our feelings had led us to desire it.

In some sections of New England it is customary for the family to provide a hearty repast, of which all the relatives, friends and assistants at the ceremonies must partake after the return from the burying-ground. But this custom was as yet unknown in Brookfield, and the people there would have as soon thought of finishing the funeral ceremonies with dancing as with feasting. Those who came so far that they could not return the same day, as Uncle Robert had done, were hospitably received and entertained until they could return home; but those who lived within a reasonable distance for walking or riding, were expected to return home directly after the services.

[TO BE CONTINUED.]

MARBLEHEAD MAMMOTH

CABBAGE.

There being a good deal of seed in the market raised from very poor stock, and not giving satisfaction, having been the original first cause of the name Cabbage, which when raised from the right strain of seed under proper cultivation, has a large and even shaped head to any one plant, and sixty days from date I now offer seed to the public that has been raised by myself, with peculiar care all of it from extra large, extra solid heads. The Marbleheaded Mammoth is not only the largest, but is one of the most crisp and sweetest of any variety of the cabbage family, as will be seen by extracts of letters to be found in my Seed Catalogue when it is out, to state that they have raised cabbages from my seed that have weighed 40, 45 and 50 pounds each. Full instructions for cultivation sent with every parcel of seed. Seed by mail, 25 cts per ounce, 50 cts, per half pound, $1 per pound. My large Seed Catalogue sent FREE to all applicants.

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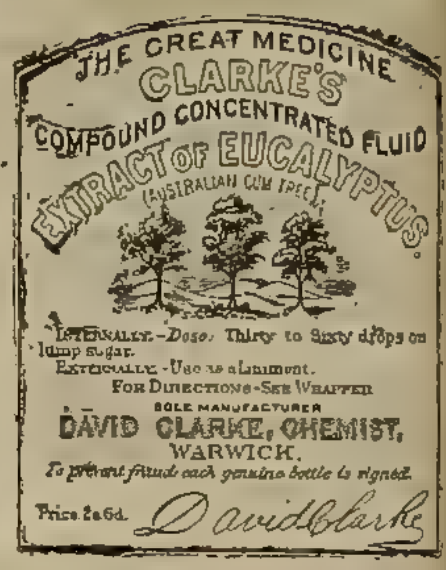
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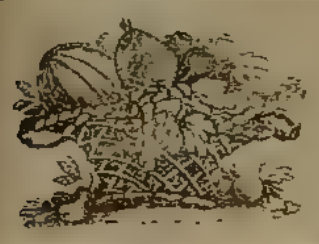

Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

Foreign Correspondence.

[REPUBLISHED BY SPECIAL REQUEST.]

CAIRO, EGYPT, Dec. 6, 1878.

EDITOR CALIFORNIA FARMER—*Dear Sir:*

GROWING FIGS IN SMYRNA.

Before I left California in the fall of 1877, I promised a Southern California fruit grower that I would make the necessary enquiry, at Smyrna, if I would visit that place respecting the method of curing the fig by which the hardness that characterizes the fruit as preserved in California may be prevented.

I took much pains to inform myself as to the climate, soil and the cultivation of the fig and visited the district where the fig orchards are, in order to test the reliablity of the information given me at Smyrna. The first fig orchard I saw was fifty miles from Smyrna near the ancient city of Ephesus. This was on rich alluvial ground near the sea level and beyond this for many miles in a narrow valley the trees extend. The Niles on either hand are of limestone. The climate there is similar to that of San Bernardino with about the same amount of rainfall. There is no rain from April to November and this year there was no rainfall up to the 1st of December. The trees are planted about forty feet apart, although two trees are planted together. The reason given for this was that in case one should fail to grow or should die the other would ensure a tree. These are all female or pistilate trees. The natives regard the staminate trees as wild figs and are only suffered to grow around stone walls and waste places. No irrigation is used. Only the fruit grown in the months of July, August and September are preserved. The first crop are used as fresh figs or allowed to go to waste as not being sweet enough to preserve. About the first of July children gather the green figs from the staminate or wild trees and two or three are fastened to each end of a string about three feet long and three or four of these strings are thrown into each tree where they lodge in the branches, without this they say, the fruit will not come to perfection but drop immature.

CURING AND PACKING FIGS.

The fig is allowed to hang upon the tree until it falls spontaneously, it is then gathered from the ground and laid in the sun until it has the doughy feel which distinguishes the fruit when packed, it is then placed in boxes and sent to Smyrna where it is sorted into grades and packed in boxes. In packing the packer has near him a dish of sea water with which he keeps his fingers wet. These are the practical facts. It is well known to botanists that the flowers of the fig tree are in a drupe (that becomes the fig), that the staminate flowers and the pistilate ones are on different trees, that the fertilization is affected by insects flying from one to the other and entering at the small opening at the top of this drupe carrying the pollen of the one to the pistils of the other. This may be affected by planting a few of the staminate trees among the others though they will not bear fruit their vicinity is necessary to enable the others to do so. The Smyrna fig is a large greenish, yellow fruit, and when suffered to remain on the tree until it falls spontaneously very sweet. If it ripens too early, before the sun has become sufficiently powerful, it dries hard and tough like the figs usually seen in California. I have seen the blue fig grown and cured on one of the Islands of the Grecian Archipelago as soft and sweet as those of Smyrna. If the development of sugar is sufficient, the fig not will dry hard except it be exposed too long to a hot sun. If they are removed too soon before the water has been sufficiently evaporated they will turn sooner. I have no doubt that some section of the interior valleys of California will be found to be adapted to the growth of the fig in as great perfection as that of Smyrna and its proper cure would add greatly to the permanent wealth of California.

I have sent home to be distributed among the melon growers, the seeds of the Cassabar melon of Smyrna. It may be no new thing there though I have never seen it. It is a large and luscious melon and has the merit of keeping late in the autumn and winter.

I send also a few seeds of a large melon grown on the greatest perfection on the Ionian Island, of Cephalonia. They are larger though inferior in flavor to the *Cassabar*, the rhind of both is corrugated longitudinally.

Yours,
J. D. B. STILLMAN.

Lentils for Food.

Considerable attention is still paid to the subject of lentils It should be remembered that those grown in Egypt are threshed in the open fields, where they lie in large heaps until exported, and that, to render them suitable for human food here, they have to undergo sundry processes of sifting, winnowing, washing, splitting, etc., and that these operations add, of course, materially to the cost of the retailed article. The whole German lentils on the other hand, arrive here beautifully clean, and quite fit for immediate use.

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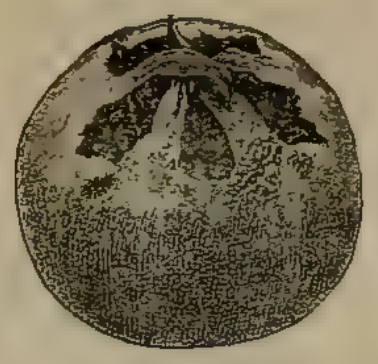
MEDLAR (*Montstreuse,*)



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We deliver STRONG POT ROSES for Winter Bloom and Fall Planting, *safely by mail*, at all post-offices. Five Splendid Varieties, *your choice*, all labeled, for $1; 12 for $2; 19 for $3; 26 for $4; 35 for $5; 75 for $10; 100 for $13. Send for our New Guide to Rose Culture, and *choose from over 500 Finest Sorts.* Our Great Specialty is growing and distributing Roses.
THE DINGEE & CONARD CO.
Rose-Growers, WEST GROVE, CHESTER Co., Pa.
48:18 6t

Choice Grape Cuttings.

Those who desire to have the choicest quality of the famed

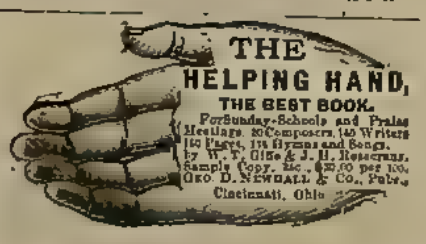
"WHITE CORINTH GRAPE,"
—AND—
"THE ZANTE CURRANT,"

and a few other varieties of rare kinds of grapes—can secure a collection by sending their orders to the

FARMER OFFICE, 320 Clay Street.

N. B.—Only a small lot for sale.

BEAUTIFUL FLOWERS
IN A GREEN-HOUSE AT YOUR DOOR
We will send free by mail, and guarantee their safe arrival in Good Condition, our choice
12 Roses..... 12 sorts. $1
50 VERBENAS..... 50 " 1
15 Basket or Bedding Plants..... 15 " 1
10 GERANIUMS..... 10 " 1
10 CARNATIONS..... 10 " 1
10 Tuberoses, all Pearl, large and double..... 1
12 Gladioli, all Flowering Bulbs..... 1
2 Camellia Japonicas, 2 Azaleas..... 1
Hundreds of others— NEW AND RARE!
CHEAP, and many for your choice of varieties, see our 80-page Catalogue, free to all. We also offer an immense stock of Fruit and Ornamental Trees, Evergreens, Small Fruits, Shrubs, etc. Catalogue with Colored Plates, 10c.
8 Hardy Flowering Shrubs..... 8 sorts. $1
10 Currant Bushes..... 5 " 1
25 Raspberry Plants..... 5 " 1
50 Strawberry Plants..... 4 " 1
3 Grape Vines..... 3 " 1
50 Sweet Chestnut or 50 Catalpa Trees. 3 " 1
20th Year. 15 Greenhouses. 400 Acres.
STORRS, HARRISON & CO., Painesville, Ohio.
42:1 4t


THE
HELPING HAND,
THE BEST BOOK.
For Sunday-Schools and Praise Meetings. 20 Composers, 140 Writers 140 Pieces, 178 Hymns and Songs. by W. T. Giles & J. H. Rosecrans. Sample Copy, &c., $35.00 per 100. GEO. D. NEWHALL & Co., Pubs. Cincinnati, Ohio
48:2

25 STYLES OF CARDS, with name in gold, 10 cts. J. B HUSTED, Nassau, N. Y. 47:14 1y

My annual Catalogue of Vegetable and Flower Seed for 1879, rich in engravings, will be ready in January, and sent FREE, to all who apply. Customers of last season need not write for it. I offer one of the largest collections of vegetable seed ever sent out by any seed house in America, a large portion of which were grown on my six seed farms. *Printed directions for cultivation on each package.* All seed warranted *to be both fresh and true to name*; so far, that should it prove otherwise, *I will refill the order gratis.* The original introducer of the Hubbard Squash, Phinney's Melon, Marblehead Cabbages, Mexican Corn, and scores of other vegetables, I invite the patronage *of all who are anxious to have their seed directly from the grower, fresh, true, and of the very best strain.* **New Vegetables a specialty.**

48:21 12t JAMES J. H. GREGORY, Marblehead, Mass.

CHOICE
Vegetable and Flower
SEEDS

GROWN FOR PRIVATE FAMILIES, OUR MOTTO I

"TEST IS BETTER THAN TALK."

GARDEN MANUAL, full of valuable articles on growing vegetables, useful hints to lovers of flowers, with price list, sent free to all applicants. Address

J. B. ROOT, SEED GROWER,
48:24 ROCKFORD, ILL.

PEARL MILLET
(THE NEW FODDER PLANT.)
Yields 100 tons green — 16 tons dry per acre.
50c. per plant (by mail, postpaid)
$1.00 " quart " "
By express, buyer to pay charges, $5 per peck
Statement of our experiments with it, and instructions for culture, free on application.
PETER HENDERSON & CO.
35 CORTLANDT ST., NEW YORK.
49:2

JOHN SAUL'
Catalogue of New, Rare and Beautiful Plants

Will be ready in February, with a colored plate. Many new and beautiful plants are offered, among Draccenas, Crotons, and other fine foliage plants, with a rich collection of Greenhouse and Hot-house plants; Bedding Plants; new and choice Roses; Dahlias, etc. Well grown and at low prices Free to all my customers, to others 10c. A plain copy free.

JOHN SAUL, Washington, D. C.
49:2 eot

Evergreens & Forest Trees.

AT RETAIL TO FARMERS AND PLANTER AT
WHOLESALE PRICES.
LARGE STOCK, GREATEST VARIETY, CHEAPEST AND BEST.
Send Stamp for Price List.
GEORGE PINNEY,
49:1 Sturgeon Bay, Wis.

FRUIT AND ORNAMENTAL TREES
Large Stock. Low Rates.
STANDARD PEAR TREES A SPECIALTY.
Send stamp for Trade List. AGENTS WANTED.
E. MOODY & SONS, LOCKPORT, N. Y.
NIAGARA NURSERIES. Established 1830. 48:14

FARMS, RANCHES
—AND—
LANDED ESTATES FOR SALE.

Now that we have so many settlers of the BETTER-CLASS coming to our State, those who have

Lands, Ranches, Farms,
—AND—
IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms and Libraries in the United States.

Advertisers will be wise that consult our columns.

WARREN & CO.,
CALIFORNIA FARMER OFFICE.

Florida Orange Trees.

However fine our own rich and delicious Oranges are, it is admitted that the the "FLORIDA ORANGE" is one of the most delicious fruits, known the world over—clean and fine in form, thin skinned, and very delicious in its flavor.

Those who desire to enjoy this beautiful fruit, can secure a few trees of this kind just received from Florida.

Price of Trees, $1.75 and $2.50.

Apply at, or send to THE CALIFORNIA FARMER OFFICE 320 Clay Street, San Francisco, California.

U can make money faster at work for us than at anything else. Capital not required; we will start you. $12 per day at home made by the industrious. Men, women, boys and girls wanted everywhere to work for us. Now is the time. Costly outfit and terms free. Address, TRUE & Co., Augusta, Maine. 47:22

PULLMAN HOTEL DINING CARS

THESE CELEBRATED HOTEL CARS ARE NOW
RUN OVER THE
Chicago and Northwestern Railroad
BETWEEN
COUNCIL BLUFFS AND CHICAGO

No other road now runs or has ever run

Pullman Hotel Cars,

PULLMAN DINING CARS,
Or any other form of hotel, dining or restaurant
THROUGH
BETWEEN OMAHA AND CHICAGO.

Do not be deceived by the false representations of the agents of other lines who tell you they have hotel cars o their lines west of Chicago. It is not true. No road west o Chicago has them except

THE CHICAGO AND NORTHWESTERN.

PASSENGERS for Chicago, Niagara Falls, Pittsburg Philadelphia, Montreal, Quebec, New York Boston, or an any point East,

Should Buy their Trans-continental Tickets
—BY THIS—

Pullman Hotel Car Line.

Close connections are made at Chicago with the Lak Shore & Michigan Southern, Michigan Central, Baltimore Ohio, Pittsburg, Ft. Wayne & Chicago, Kankakee Lin and Pan-Handles routes, for all points EAST and SOUTH-EAST

This road can give you CHOICE of ALL ROUTES from Chicago to the East. It allows its patrons to select the route they may think best. Determine the route you would like to travel over beyond Chicago, and we will be glad to sell you THROUGH TICKETS by it.

Passengers will find Tickets via this Favorite Route at the ticket office of the Central Pacific Railroad, Sacramento.

Tickets for sale in all the ticket offices of the Central Pacific Railroad.

W. H. STENNETT.. .... General Passenger Agent
MARVIN HUGHITT. .. .. .General Manager
H P. STANWOOD, General Agent,
No 2 New Montgomery Street, San Francisco.
47:11

SPLENDID
Bulbs for Autumn Planting.

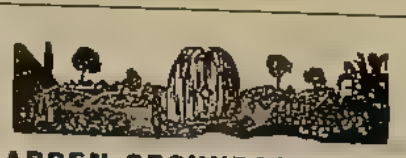
Collection of the choicest of BULBOUS ROOTS can be had with descriptions of varieties and plates of flowers.

Now is the time to prepare the ground and plant all BULBOUS and TUBEROUS ROOTS in California.

These GEMS planted now will come into bloom at Christmas and New Years.

Orders for supply can be filled by the large or small quantities at

Warren & Co.,
320 CLAY STREET, S. F.



GARDEN GROUNDS LAID OUT

THOSE WHO WISH THEIR GARDEN GROUNDS RE-newed and replanted, or those who desire to have Grounds Designed and laid out upon scientific principles, and with correct taste and skill, as

Adapted to this Climate,

Can have this work done to their satisfaction by calling at this Office, where all the best works on Gardening can be found, and where the various styles, both European and American can be seen. Grounds of any extent, from

ONE THOUSAND ACRES

To small gardens in our City, will be designed and laid out and the Trees, Plants, Shrubs, Vines and Bulbs all supplied of the very best variety and reliable quality, and the work done to complete satisfaction, by calling at the Office of THE CALIFORNIA FARMER.

None but educated men engaged in such work.

Address WARREN & CO.,
FARMER OFFICE.

TO INVENTORS AND MECHANICS.

Patents and how to obtain them. Pamphlet of 60 pages free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 31,
48:19 tf *Washington, D. C.*

Good Cure for Hard Times

A PLANTATION OF EARLY PROLIFIC and RELIANCE RASPBERRIES.

100,000 Plants for sale; also 200,000 Cinderella and Continental Strawberry Plants. Millions of other Plants, Trees, etc. Everything new, novel, and rare. Prices low. Send for Descriptive Circular to GIBSON & BENNETT, Nurserymen and Fruit Growers, Woodbury, N. J.
48:24

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, MARCH 30, 1879.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Mercie Building—Up Stairs.

FARMER HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms. Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, TWO DOLLARS for five lines or less of space in Nonpareil type, for ONE insertion, twenty cents a line for any larger space. Each subsequent insertion half these rates. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,

PUBLISHERS CALIFORNIA FARMER,

San Francisco Cal.

Editor's Chair.

Bills Sent Out.

We would hope that those of our patrons to whom we have sent bills, will kindly remember that a good many *little sums from each* would be of great advantage in times when money is of value.

Home.—In our Home department we give a very interesting sketch of a "Trip to Europe" by our Correspondent Ajax, those who have crossed the Atlantic will recognize the various scenes so familiar to all on such a voyage.

"Drinking at Meals," "The Blood, Liver and Life," "Debt," "Marriage," "A Novel Ornament" will all give interest to the reader.

Our "Selections of Poetry" we feel sure will *gratify* the reader.

Horticulture.—We have republished by request the very interesting Letter of J. D. B. Stillman, Esq., from Cairo, gives a very interesting and valuable Letter from *Smyrna* relative to the culture and curing of the Fig—the information here given will be of great value to those who grow the Fig for our markets, and those who are preserving them.

Miscellany.—We give a very bewitching little Poem of "Little Dan" that will well repay the reading.

"The Camel's Revenge," "The Laundress," and items, make our Miscellany page.

Agriculture.—"How we saved the Old Farm," we continue this very interesting story, it will richly repay the reading—such is the interest for this story that we give nearly a whole page for this story this week.

We invite attention to our very pleasing letter from Washington, D. C.—it will interest.

We also ask a reading of the letter enquiring "All About California."

Walter Brown & Son's letter on the "Wool Market" of New York should have the attention of our wool growers—all who ship wool to New York for sale, should make the acquaintance of Messrs. Brown & Sons.

Lake Tahoe in Glory.—The coming summer John T. Pantlind the popular "Mine Host" of the Ormsby House will preside at "Lake Tahoe," and make that famed resort one of the most fashionable and happy quarters on our Coast.

☞SEND THE FARMER ABROAD.☜

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, if they send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a Journal as the California Farmer. We know our Journal is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the home circle everywhere, as a Journal free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, special premiums of seeds are donated with the paper, to benefit our State.

POSTPAID PAPERS.

All Copies of the Farmer sent from this Office are Post Paid by us, consequently, all who receive *our Paper are relieved from all Postage* at the Office where they are received.

We give this Special Notice so that our Patrons, and all our subscribers, and those who receive our Extras, and Complimentary copies, may know they are *Free from all Postage.*

THE SEASONS, PROSPECTS, ETC.

The opening year so reads the story
Is full of buds and blossoms, full of glory,
The air is fragrant with Nature's flowers
Their breath exhaled by gentle showers,
Oh, why should mortals here complain,
Where beauty decks the hill and plain.

The long months of doubt and fear that pervaded the farming interest up to the late glorious rain caused many of our farmers to be despounding, now from all sections of our State comes very cheering news of growing crops and prospering seasons.

We have always had in our State too many *unbelieving* Thomas's, their doubts cast a mildew and a blight upon the energy of many that would not have doubted but for their bad example, they seemed to forget the promises of the Almighty; God says:

"*There shall be the early and the latter rain*;" and He also says:

"*There shall be seed time and harvest*" and

THESE SHALL NEVER FAIL.

If our farmers will but look back and recall how often their *doubting* caused them to *delay their work* they would see that the reason of a *loss of crops* was more their *own fault* than the fault of Nature or the seasons.

The present prospect is now most propitious, and if our farmers will but press on in their work in good faith plow and plant, they will reap a rich reward if they faint not.

The orchards are now coming into blossom, the hill tops are showing their verdant beauty in great luxuriance, the grain fields are showing a sett of grain of great promise, while the vineyards give assurance that in their season the wine presses shall gush out with new wine.

We commend most earnestly to our farmers the prophecy of the *Old Testament*, Isiah and Jeremiah tells us of "The cattle upon a thousand hills," of a "Land flowing with milk and honey," of a land also, where there is a "Season of perpetual fruits" and where the "Hills and mountains are full of gold and silver,"—we earnestly commend these prophecies, and give them as a true picture of California, for we believe that

"CALIFORNIA IS THE PROMISED LAND."

And believing thus, we also say that there are many that the great leader Moses found would *never enter that Promised Land*, i. e., they never would *live* to enjoy it, in its full fruition

California is now going through its great trial, as it did when Moses came down from Mount Sinai and found the people bowing down to the Golden Calf, and this present period is that time, for we see in the disasters around us, many that have been bitten by the Serpent, and the few only that survive the present calamities that are now trying the faithful, will be permitted to enter into the

LAND OF PROMISE.

The hope of our State is now resting upon the agricultural, manufacturing and mechanical industries—all other interests must be made subservient to these, and unless it be so, we cannot become permanently prosperous.

WHERE'S THE MONEY IN IT?

The words we quote above can often be heard used whenever anything is said about starting *new Enterprises* of any kind, or lifting a helping hand for the Manufacturing Interests or any plan whereby the true industrial interests of our State could be awakened to a more prosperous condition and made to occupy the true place that such interests should occupy in the minds of our capitalists and business men, in a State of such wonderful resources in soil, climate and great natural capacities.

If our bankers and capitalists would go over our City, and count the *thousands* of stores and dwellings marked "To Let" they would certainly see that there are more *houses* and *stores* than the population needs, and if asked to erect more buildings they would ask *Where's the money in it?*

The fact is self-evident, there are more buildings now than we have people to occupy them, and the only remedy now is, the people must go *from the City to the country*; a change is needed.

Thousands and we might say, tens of thousands of people living in this City—(no! *staying*, not living,) should go into the country and instead of being *consumers only* or living upon their wits—go into the country and become *producers*, and thus raise or manufacture *something* that would support them and their families, and thus help build up a genuine prosperity for all.

We need more *Produces* and to make a change we must empty our cities into the country, there are *millions of acres* of land that needs to be cultivated, and produce will always sell, *Grain, Fruit, Vegetables, Poultry, Eggs, Butter and Cheese*, these all pay when the business is wisely managed, no one need ask, *Where's the money in it?*

Industry and economy, close application; these will give a health not enjoyed in the City, especially in *doing nothing*, as thousands in our City are so hard at work at now—for such a life of idleness as is seen on Pine and Montgomery streets every day we often ask, *Where's the money in it?*

Great Calamities.

The horizon around us seems to have been studded with heavy calamities within the past few months, the Angel of Death has come suddenly upon us and taken away many of our early and prominent Pioneers, making a sad vacuum in our business community.

We have also to record great and disastrous fires like that at Reno, at Silver City and other places, collision of steamers in our Bay, heavy gales and storms, freshets and floods, and these too when disastrous losses are daily made in all the mercantile circles everywhere, would almost lead us to feel we had fallen on evil times—but comfort comes with this assurance "that after the storm comes the calm," so after all these sad events and the losses attendant on them the clear blue skies ahead do give promise of a goodly year to come—and if all in every community will but now look on the *bright side*, and be ready to help one another, like brethren of God's great family.

BETTER DAYS WILL COME.

OUR NEW CONSTITUTION.

SHALL WE VOTE—YES OR NO.

The *Long Parliament* that will cost our State about "a quarter of a million dollars" will not have been completed without some *great good*.

The need of some wise alterations in our Constitution has been clearly proved, as the discussions in the Convention and the preparation of the new forms has clearly shown that *alterations* and *improvements* were needed, but there was not a due consideration given to the true merits of the case nor time enough devoted to the most important subjects acted upon, and therefore the whole work was not well and thoroughly done, certainly not well or perfect enough for

THE CONSTITUTION OF A STATE

destined to exert so momentous an influence as California is destined to exert in all coming years.

The "quarter of a million of dollars" is a small sum compared to the great good which the *discussions* and *examinations* of the subjects needed to be altered and improved in our Constitution will be worth when the work shall be well and faithfully done, and this can be done by the *next Legislature*, provided the people will now, after carefully examining all the proposed *alterations* and the new laws, if they will but elect the very *Best Men for coming Legislators*, and then lay the New Constitution before them to examine, correct and improve, and then put their well revised work before the people in the year of 1880; for to our view the people are fast making up their minds to *oppose the present work*, and as we said months ago we think the *New Constitution* will be *Rejected* by a large and decided majority.

Let the people now see to it, and elect incoming Representatives and Senators with special fitness for this all-important work, then we can have a Constitution of which our people will be proud.

All should remember life can never give
A charm to him who does not like a FREEMAN live.

While we would by all wise means do all we could to advance, sustain and build up the true Agricultural Interests of our State and advance the real interest of the laborer and working men of every class, we also must remember the interests of the *Manufacturers*, the *Mercantile* and *Shipping Interests*, which are directly connected with the agricultural, and also our *Monied Institutions*, our *Banks* and our *Insurance Companies*, for with each and all these, the great Agricultural Interest is directly and closely connected, the *Banks furnish the means* to buy and work the lands, they advance the money by exchanges to ship our Grain, and the *Insurance Companies* give policies of safety to *farmers' buildings*, to *manufactories*, *to ships* and even *crops in the field*, our *Railroads* that carry the *products* and *manufactures* of the State, they too are a part of the machinery that keeps alive and continues the business of the whole State and tends to make all these working *parts* a united whole, for the general prosperity of all, and any Legislation by the Government or any action by the people that deranges or disorganizes or destroys the harmonious working of these great parts is sure to cripple all, and bring loss and ruin to all.

It should be borne in mind by all who desire to vote understandingly upon the New Constitution how great is the importance of their obtaining a copy of the *New* and comparing with the *Old*, for this purpose we hold that the State authorities should adopt a plan whereby every real voter who has his name registered could obtain a copy of it for his careful perusal, and the Registering Offices over the State is the best places for their distribution.

Much is said by those who preach the *economy and saving* of the *New Constitution*, they tell how it is done, let *farmers* note this fact:

All appropriations for *Agricultural Societies is crossed out and abolished.*

Let those who feel for the unfortunate, also note

All appropriations to the Orphan Asylums and *Benevolent Institutions* are also abolished, this should kill the New Constitution.

We believe that to adopt the present New Constitution would be the cause of a series of disasters to all these interests, and tend to bring on months and perhaps years of stagnation to trade and business generally, and that our Agricultural Interest would be among the heaviest sufferers, for this reason we hope every farmer in our State will look to this matter seriously, read, reflect, and act wisely, that his own best interest may be guarded, to this end he should resolutely vote—NO.

Roof Covering---Asbestos.

We specially call attention to the matter of a *good protection* to the roofs of all buildings, and especially among our *farmers' buildings*, their *homes, barns and tool houses*, their *granaries* and their *cattle, and stock buildings.*

A *little leak* may cause a *great loss*, and now that the Asbestos Roofing can be had at so little cost no *farmer* nor any one else should run any risk from leaky roofs, and in addition to the safety from Rains it is also Fire Proof—thus a double protection.

Seedling Potatoes.—The "Beauty of Hebron" is a new white potato of very superior character, just now offered by Thorburn & Co., of New York," we have just received a sample and think it an extraordinary kind and worthy special care—we shall plant and try our sample and believe we can produce a potato worth its weight in diamonds.

MESSRS. VILMORINE, ANDRIEUX & CO., PARIS.

[The oldest and largest Seed Warehouse in the world.]

This distinguished Firm so long engaged in the Seed and Plant Trade in Paris are known all over the world; wherever there grows a tree, plant or flower and an educated mind to cultivate and care for those good gifts of our Creator, there the name of this Firm or some of their valuable seeds or books will be remembered.

This famed Seed Warehouse originally was established about 200 years ago, and it has borne the present name of Vilmorins, Andrieux & Co., for more than *one hundred years past*, passing from father to son or kindred in name, and now their business is extended to all parts of the world and with sales of Seeds, Bulbs and Plants to an immense amount annually.

It will be remembered by our readers that Maurice Vilmorine, Esq., one of the Firm visited California, arriving in the month of Dec. 1876, and made a tour of the State, he came expressly to *learn of California*, of its capacities, its beauties and its wonders.

Mr. Vilmorine was delighted with California, and paid it many high compliments, his name is upon our Register previous to his departure, dated July 23, 1877.

When Mr. Vilmorine came to say farewell he recorded his name upon our Register, and beneath it wrote thus:

"Sit mea sides utinam senectæ;
Sit modus lasso maris, et viarum}
Militaeque."

This is a quotation from the Ode of Horace to Titus Septimus Carminium, Lib. ii., 6—and translated reads:

"Oh that it may be the dwelling place of my old age
That it may be the limit to the weariness of the sea,
And of journeyings, and of war!"

Beneath this expression of feeling and sympathy for our beautiful land, Mr. Vilmorine also wrote:

California!

Who can stay in California and leave it without regret?
Nature has made of it the "Garden of the World,"
Its inhabitants are making of it, A Land of Wonder!

We take pleasure in transcribing these generous tributes to our State, and doubly gratifying it is to us to know they come from gifted and cultivated minds like him we quote, Mr. Vilmorine made many very warm friends while here—and his words assure us we shall ere long see his genial face and welcome him once more—even away from "Sunny France" to our own Sunny and "Golden Land."

From the above popular House we recently received a very friendly and most courteous Letter accompanied with a full and complete collection of the Vilmorine Album Plates of the large size, life colors, the collection is as follows:

Vegetable and agricultural plants 29.
Flowers grown from seed 28.
Flowers grown from bulbs 20.

In all 77 plates, this we esteem one of the finest collections ever published, and reflects the highest credit upon this House for their artistic taste and skill.

The Letter thus speaks their kindness:

"We have always had much pleasure to receive your Journal and shall be glad to receive it, but we must ask you, send us your bill every year for the amount and we will have it paid.

We have taken the liberty to send you a complete sett of our Chromo-Lithographs of Vegetables and Flowers, which we hope will be acceptable, we at least have thought we could not offer you anything else that would be of more interest, and please you better than these Plates."

Such kindly words and such a liberal gift we duly appreciate, and coming from the oldest and most popular Seed Warehouse in the world, we most gratefully acknowledge the distinguished favor.

We would hope all who are in the want of European seeds of rare kinds will make the acquaintance of this honorable House, and secure from them the treasures they have in the great collections they possess—we shall be happy to show these Plates to such as would appreciate them.

Our Postoffice.

Gladly our people hail the most excellent improvements recently made in the San Francisco postoffice, and although the work has progressed but slowly, it has been a sure work, and will reflect much credit upon our excellent postmaster, Gen. Coey.

The new arrangements gives an airy style that has most creditable appearance, and looks like a public building, and when all is completed within the building, there will be a real comfort for all the workers inside and a greater convenience for box-holders and all outside—and the finale will be or should be, a nice creditable fence around the postoffice yard and a good coat of paint upon the building, also a good clock in the new hall, then we will say the work was complete.

That Oakland Newspaper Boy.

Glad as we always are to see generous actions and benevolent deeds, we could not but feel when that unfortunate lame newspaper boy's death was announced—how strangers felt—yet there were many who knew that boy while living, and could have aided him them, did they do it?

Now that this lad, one of our world's unfortunates has "Gone Home," charity or notoriety would raise a monument for him, this is all right, but how much better would it have been to have aided him while living, who even knew of his *life struggles.*

That monument will not feed him now, that tomb tablet will not give rest to his weary and lame limbs—away with this kind of *delayed charity* and we fear *false humanity*, if we would aid the sufferer while struggling with the ills of life, let us do it for them while they are in life.

Build monuments for the good, while they live, that it may incite all to do good, and such deeds will become living charities, blossoming upon earth, and fruiting in heaven.

"Agriculture, the soul, the basis of my empire."—*Napoleon.*

OBITUARY.

The death of Mrs. Amanda Reed, widow of Edmond L. Reed, deceased, who recently came from Willsoybille, Tioga County, N. Y., was mentioned last week in the Stockton *Independent.*

Mrs. Reed had but lately come to California, and resided with her children at Oak Dale, Stanislaus County. Her illness was very brief, only a few days, and was not considered dangerous. She retired to rest and waking upon the Sabbath morn, March 2d, her countenance began to change, her daughter spoke to her and she said she *felt better*, another change and her spirit had taken its flight to a better world.

Mrs. Reed was 72 years of age. Her whole life was that of a true Christian; a loving wife, a devoted mother, and a true friend to all who ever knew her; her cheerful happy countenance, her quiet ways and gentle speech, was the evidence of a good heart, a heart full of generous love *for all.*

Mrs. Reed was a remarkably active woman even up to her last years and hours, although she had reached the fullness of age; thus suddenly called away, her loss will *long* be lamented, but her memory will ever be cherished.

THERE IS NO LOVE LIKE A MOTHER'S.

A daughter in San Francisco, and a favorite grandchild in Stockton at school were summoned by telegraph to her bedside, and though instantly answering the call, the time of a few hours and less than 100 miles could not be made ere the sleep of death separated that daughter and grandchild from their mother's last kiss.

MY MOTHER.

Art thou asleep dear mother? O! wake to me;
The lightning message came that thou wert sick,
I came and hoped my mother I should see
And hasten'd with all speed, as quick
As railroad time would bring me to thy bed,
But, ah! *too late*, dear mother, *thou wert dead!*

Oh, no, it cannot be, my mother sleeps and dreams
That I am coming to her now.
For o'er her gentle face there beams
My mother's smile, it rests upon her brow

It cannot be, my mother cannot die;
She had laid down so gently for a sleep,
And then was called up Home on high,
So we, could while below, her memory keep,
And thus like her to live, like her to die.
No, not to die, but live—*with her on high*

M.

RECEIVED AT READING ROOMS:

Hon. M. P. Wilder's very able Address before the Historical Genealogical Society at Boston, Mass., is received and will be published at early day—the words of such a man are always like a Patriarch's counsel, we tender our thanks for the Address so kindly sent us by the author.

Agriculture of Nebraska.—We have received the very able Speech made in the Senate of the United States in the support of agricultural appropriations of our Government by Hon. A. S. Paddock, of Nebraska, so excellent do we esteem that Speech that we shall at early day give it to our readers wholly if possible, though a long one—it should be read by every farmer in the land.

The California Horticulturist.—We have the opening numbers of this Magazine, and like it much, its Editor is working abroad and at home to awaken a new interest for horticulture, and has greatly improved the Magazine; we hope he can can start up the apathy of our many horticulturists and gardeners, build up a Horticultural Society, create spring and autumn Fairs in our City, and do "lots o' good" for the cause, we wish him all manner of success.

The Southern Horticulturist comes to us with reports of its late meeting of the horticulturists down South—they had a good Exhibition for a first one, they must keep up the work, even if such labors are hard—this Journal works well, and we hope it finds a reasonable reward.

The Floral Californian for the January term, a Quarterly published by W. A. I. Stratton, Esq., of Petaluma, a small, neat Publication of 8 pages, has many good things and very excellent suggestions in it, its Editor loves his work, and sends out his winning missive at the low price of 50cts. per year—everybody can afford it—*everybody* should have it.

The Lecturer.—We have a most excellent Pamphlet bearing this title, being a *Bi-Monthly* sent out by Messrs. Austin, Jackson & Co., of the *Laws of Life*, being a publication of the Lectures given by Dr. Jackson at the College at Danaville, a valuable work, $1.50 per year.

Scientific Publications.—We have received the "Annual Report" of the "Connecticut Agricultural Experiment Station" published by the State by the "Board of Control" of the Agricultural Interests of that State, a very extensive and valuable work, showing the wise oversight taken by those in authority and power, his Excellency the Governor and State Officers giving agriculture their warm interest and advocacy.

We wish it were so here.

We have received from the Commissioner of Agriculture of Atlanta, Georgia, Hon. Thomas P. Janes, a very valuable analysis of values of the *Commercial Fertilizers* now used in the country.

The various analyses numbers *eighty-nine* described in full detail, and are very valuable.

The Sorgho Hand Book.—This is a very interesting work we have received from the Blymyer Manufacturing Co., of Cincinnati, Ohio, giving a history of the Chinese and African Sugar Cane, their varieties, their culture and manufacture with drawings of the various evaporators, engines, etc., made by this Company for sugar planters and manufacturers—a very valuable pamphlet.

The Journal of Applied Sciences.—We have copies of this invaluable Monthly, a great aid to science, just received from London, published at 20 Cheapside.

Catalogues.—A mountain pile of new and handsome Catalogues of Nurserymen, Seedsmen and Manufactures, all waiting notice and notice, send along your Advertisements, Gents, they shall have *especial* attention and notice that will pay you well.

For Sale.

A special bargain will be offered in the splendid new pattern Farm Wagons and Buggies now on exhibition and sale at the agricultural warehouse of G. A. Davis, 327 Market Street, S. F.

THE HOP MARKET.

We have been kindly favored with the following report of the hop market to this time, by the well known hop dealer and shipper Phil. Neis, Esq.

This leaves 3,117 bales on market, for which there is little or no demand. Mr Neis has a process of packing the best hops in ½, ¼ and 1 pound packages for druggists and grocers, done up neatly and packed in 30 pound boxes at $3 each.

RECEIPTS FOR 1878.

California	4,762 bales.
Washington Territory	4,686 "
Oregon	2,244 "
Total	11,492 bales.

EXPORT

Overland from October to January	6,132 bales.
Returns for February not received yet, but estimated to be shipped	600 "
Overland to date	6,732 bales.
Australia	662 bales.
New Zealand	250 "
Other countries	185 "
Total	7,785 bales.

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The Rarest and Best.

PRODUCING BERRIES THIS SEASON from the size of a Walnut to that of a Hen's egg.

The varieties offered are new and choice and immediately productive.

Directions for their culture given to all purchasers. For sale at

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Strawberry Plants.

'Monarch of the West," "Star of the West," "Seth Boyden," "President Wilder," "Great American," "Crescent Seedling," "Duchesse," "Prouty's Seedling," "Duncan," "Kerr's Prolific," "Miners' Great Prolific," 'Continental," "Cinderella" "Cumberland Triumph," "President Lincoln," and all the best and most promising varieties of STRAWBERRIES.

Mountain grown plants—"Silva's Koning Claudia," the earliest and best early Blue Plum

We offer for sale a large and fine stock of the above. Send for Descriptive Circular to

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Newcastle, Placer County, Cal.
49:8

Central Pacific Railroad.

Notice to Shippers.

Please take notice that this Company will maintain, for transaction of business in Oakland, TWO STATIONS, viz:

MARKET STREET AND SIXTEENTH STREET

and to avoid delays we would request shippers to state on receipt, name of station to which freight should be delivered; as in the absence of same all consignments will be taken to Market Street.

J. A. ANTHONY,
San Francisco, Jan. 13, 18, 1879. Agent.

BEST business you can engage in. $5 to $20 per day made by any worker of either sex, right in their own localities. Particulars and samples worth $5 free. Improve your spare time at this business. Address STINSON & Co., Portland, Maine. 47:22

THE AUSTRALIAN GUM TREE.

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

Full Directions for Use Accompany every Box.

—ALSO—

CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

(AUSTRALIAN GUM TREE).

THERE is no tree known to science that presents so many valuable properties as the various species of the Australian Eucalypti. As many as one hundred and fifty varieties of this invaluable tree have been discovered. No timbers in the world can compare with those of Australia; for purposes requiring great strength, combined with great durability, they are unapproachable. Owing to an essential volatile oil that exudes from the foliage, epidemic rarely exists in Australia. The entire species are more or less medicinal. Yet after many experiments, I have found that some of the species, most useless as far as their timber is concerned, are of the greatest value as medicine plants.

In the back bush the gum leaf has often to answer the purposes of the entire medicine chest.

During the past six years I have been experimenting on the various species of the Australian Gum—the roots, the bark, the gum, and the leaves—with great care.

I have found that the gum that exudes from some of the species cannot be excelled for some purposes.

For Rheumatism, Neuralgia, Gout, Sciatica, or any affection of the Nervous System, it appears to be almost a specific, giving immediate and permanent relief. For resolving the attack of Fever and Ague, it is marvelous. It is equally valuable in all diseases of the Liver.

It is essentially necessary during an attack of any of these diseases that the bowels be freely evacuated by a dose of four to six of the "Liver and Bilious Pills" previous to taking the Fluid Extract, and a small dose of the Pills every night will greatly assist the action of the Fluid Extract. For Rheumatism, Sciatica, Gout, Neuralgia, or pains in any portion of the body or limbs, the part affected should be freely bathed with the "Concentrated Fluid Extract."

For Dysentry and Diarrhœa it supersedes all other medicines known. For ordinary cuts, or slight bruises, one application generally suffices.

For Colic, Pains in the Stomach o Bowels, a single dose generally gives relief before five minutes. In bad cases a dose may be taken every half-hour, or hour, till relieved.

TESTIMONIALS.

The manufacturer of these Pills has a great objection to the "wholesale" publication of testimonials, which in many cases are fictitious, and are only intended to mislead. Yet, for the satisfaction of those who are suffering, and have not yet used his medicines, he selects a few, who are best known in the colony and in the town he lives, and their *personal testimony* will satisfy the most sceptical.

These testimonials above named with many from California, since their recent introduction, will quickly show that the

Eucalyptus Remedials

are the best ever yet introduced. Full and ample testimonial accompany all parcels.

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N. B.—These Preparations are only manufactured by me, at my Laboratory, Warwick, Queensland, and none genuine without my signature on each bottle or box.

☞PLEASE REMEMBER!

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Racine, Wis., Jan. 1, 1878. {Tryon W. Fish, Edwin B. Fish, Jno. C. Hoopes,} FISH BROS. & CO.

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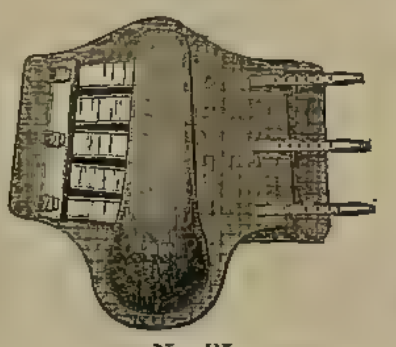

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All Other Liabilities	293,759
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Premiums received to May 31, 1878	7,095,633
Losses Paid to Date	4,248,007
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47:12

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One of 320 acres, of rich land of the very best soil, running water, and generally low land, capable of growing any crop wanted, a portion fenced, with fruit trees and vines now bearing.

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The ORMSBY is the leading hotel in Nevada. The furniture of the hotel is elegant and perfect in all its appointments throughout.

The reason of sale is, the present proprietor is soon to open an elegant and delightful SUMMER RESORT.

The ORMSBY now enjoys the largest patronage of any hotel in Nevada, the business of the hotel is well-established, assuring a good income.

For particulars write to, or call on the proprietor.

25 NEW YEAR CARDS, with name, 20c. 25 Extra Mixed, 10c. GEO. I. REED & Co., Nassau N. Y. 47:1y

Home Miscellany.

"There is no place like home.
Home! It should be Heaven on Earth

TIME'S CHANGES.

BY MATTIE W. TORREY.

The song we sang in other years
They greet us now no more;
The love that roused our hopes and fear,
Are vanished now, and o'er.
The friends we love are scattered wide,
Familiar scenes are changed;
And hearts that once were true and tried,
Are lifeless or estranged.

The lip the sweetest smile that wore;
The cheek that bloomed most fair;
The voice that charmed us long before,
With music rich and rare;
The eye whose lightest glance could still
Our hearts with love enthrall,
Whose smile could bless, whose frown could kill,
Are changed, or vanished all.

The way was bright before us then,
The coming day seemed fair;
We mingled with our fellow-men
With hearts to do or dare.
The hopes of youth are faded now,
Its fevered dreams are past;
And time, upon our furrowed brow,
His silvery shade has cast.

We, too, are changed, but not in heart
Old Time may do his worst,
He cannot from remembrance part
The things we loved at first.
The eyes may dim, the cheeks grow pale,
The snows of age may fall,
Yet shall our memories never fail
To heed affection's call.

THE GOLD OF HOPE.

BY HENRY BURTON

Bright shines the sun, but brighter after rain;
The clouds that darken make the sky more clear;
So rest is sweeter when it follows pain,
And the sad parting makes our friends more dear.

'Tis well it should be thus: our Father knows
The things that work together for our good;
We draw a sweetness from our bitter woes—
We would not have all sunshine if we could.

The day with all their beauty and their light
Come from the dark and into the dark return;
Day speaks of earth, but heaven shines through the night,
Where in the blue a thousand star-fires burn.

So runs the law, the law of recompense,
That binds our life on earth and heaven in one;
Faith can not live when all is sight and sense,
But faith can live and sing when these are gone.

We grieve and murmur, for we can but see
The single thread that flies in silence by;
When if we only saw the things to be,
Our lips would breathe a song and not a sigh.

Wait, then, my soul, and edge the darkening cloud
With the bright gold that Hope can always lend,
And if to-day thou art with sorrow bowed,
Wait till to-morrow and thy grief shall end!

And when we reach the limit of our days,
Beyond the reach of shadows and of night,
Then shall our every look and voice be praise
To Him who shines our everlasting light.

THE WAITING ONES.

[The Baltimore *American* gives a graphic description of "Delayed Hopes."—Ed. F.]

To some 'tis given to stand and wait,
And watch the green mould of decay
Steal o'er their work, because stern fate
Has scourged them back and barred the way.

Some lives stand ever on the brink
Of joy. They wait through all life's day
To see hope's sun shine out, and sink,
And drag their sunset hues to gray

They wait and watch some coming good
That flings its radience ahead.
'Twas for another; where they stood
Falls but the shadow cold and dead.

As starving children through a pane
Watch others at some rich repast,
They see each boon they craved in vain
On happy, rated favorites cast.

To some 'tis given to wait and yearn
Till faith slow smoulders into doubt,
Till love and faith to ashes turn,
And all life's fires have burned out.

Courage leaps for valorous deeds,
And time will wipe out sorrow's tears;
But for the waiting heart's sore needs
Patience grows threadbare through long years.

Aye! if the lines grow hard and deep,
And eyes grow cavernous that wait,
'Tis nobler far to wait and weep
Than conquer worlds when helped by fate.

Brave, brave is he who bears his curse
With courage and a cheerful heart;
Who ever says, "It might be worse,"
And lifts his head when hopes depart.

God's Voice.

God has made the whole earth vocal with sweet sounds. The untraveled forests echoes the notes of the wild bird, and the habitations of men are made glad by the song of the feathered minstrel; but above all, the human voice, that combines the highest charms of sweet sounds with the inspiration of thought, is given for no ordinary purpose of earthly pleasure. In its whisper of affection, how grateful! In its whisper of religious devotion, how exalted! For its participation in joy, how unspeakable!

Write your name in kindness, love and mercy, on the hearts of those you come in contact with, and you will never be forgotten.

Be deaf to the quarrelsome, blind to the scorner, and dumb to those who are mischievously inquisitive.

"Father" said a lad, "I have often read of people being 'poor but honest,' why don't they sometimes say 'rich but honest?'"

NOTES OF A TRIP TO EUROPE.

THE START FROM NEW YORK—UNPLEASANT SENSATIONS—CONVALESCENCE—LIFE ON SHIPBOARD—ARRIVAL AT LIVERPOOL.

BY AJAX.

The usual excitement and confusion attending preparations for a long journey being over, we found ourselves comfortably settled on the steamship *Oceanic*, of the White Star Line, bound for Liverpool. The *Oceanic* being the first ship launched, this being her maiden voyage, was exceptionally well commanded, the officers and engineers being the captains and first engineers of the ships to follow; besides these, were also the owners and builders who had come over for the express purpose of watching the working of the ship, with a view to improving, and remodelling where changes were necessary. Taking all these things into consideration, probably no steamship ever started out under more favorable auspices, and what with the pleasant company on board, there was every requisite for making our trip most enjoyable.

The cry of "all ashore" notifies us of our speedy departure, and leave taking over, the iron monster hauls out into the stream, and slowly swings her prow toward the old world.

The day (the 15th of April) was unusually fine, and as we sailed out of the harbor was enlivened by the booming of cannon, and salutes from other ships in honor of the opening of the new line. A small steamer commanded by Jim Fisk, containing friends of those on board our steamer, accompanied us down the bay. The steamer was gracefully decorated with flags of all nations, whilst a band on board discoursed the national airs of England and America. The scene was indeed a lively one, and we carried away pleasant recollections, never to be forgotten.

We were now in deep water, and the little steamer turned toward home, her whistle blowing us a long farewell, and as she sped away in the distance, the commanding form of her gallant Commodore could be seen standing on the pilot house, waving us adieu and wishing us *bon voyage*, whilst wafted over the waves came strains of "Home, Sweet Home," and "Life on the Ocean Wave," one more parting look is taken of our country's shores, and as the land sinks away in the distance, for a moment we are lost in reverie, but the hurry and bustle going on around us, brings us to our senses. Sailors hurrying hither and thither, coiling ropes, taking in anchors, and packing down all movables belonging to the ship, preparing for sea. The pilot leaves us and the captain is in command, we are for ourselves, and before night the ship presents a quiet orderly appearance, the watches are set, and we are ready for war with the elements.

THE DINNER HOUR.

It was unmistakable proven that when dinner time came that our whole ship's company were all sailors, and that no matter how it was with others, that we were to have no sickness. On counting noses not one was missing, neither was there exhibited any undue anxiety to leave the table until all had finished, evidently we were "old sea dogs" to a man. In the evening we put our state rooms in order, walked some on deck and got better acquainted with one another—waving all ceremonious introduction and resolving that for ten days at least we must be friendly to everyone. By nine o'clock all had retired and were soon wrestling with "nature's sweet restorer," dreaming of ships, and waves, and wrecks, and Jim Fisk.

OUT AT SEA.

I rose next morning feeling much refreshed; a few moments on my feet soon dispelled this hallucination, for, alas, we were in rough water, and the wind was blowing a gale, making the old ship plunge and roll tremendously—keeping my feet was out of the question, and I was everywhere, there was not a spot in that state room that I did not get over somehow, and all this time there was the most peculiar and demoralizing feeling creeping over me, and I found myself the most used up sea dog you ever saw; after a dozen or more unsuccessful flying leaps, I managed to gain my berth, which I crawled into feeling the worse for wear. My wife leaped from her berth with cries of what's up? It did not take her as long to find out as it did me, and after several ineffectual attempts to break through the ceiling and partitions with her head, she gave it up and laid down.

If any of my readers have ever been to sea and are subject to these stomachial idiocyncracies they know the feeling, one moment afraid you are going to die, the next afraid you're not.

The storm, for such it was, continued with unabated fury for fifty-eight hours, testing the storm resisting qualities of the *Oceanic*. The 1st Officer was washed off the bridge onto the deck, and was considerably injured, two of the boats were crushed in and the davits badly bent, whilst in many places seams were opened in the deck and bulwarks, wide enough to put your hand in.

Owing to defects in the construction of the ventilators and doors leading from the deck to the saloon, the water poured down these passages, flooding the saloon and steward's rooms, and driving the passengers from their rooms, and compelling them to seek shelter in the saloon, where the carpets being up, the water ran in and out, doing but little damage. The surroundings were anything but pleasant, and with but one dim oil lamp burning, the scene was desolate and gloomy. But not a word of complaint or sign of fear from anyone—resignation had taken the place of fright, and each one of us realized that our safety lay in calmness, and that we were in the hands of the Almighty.

THE STORM PAST.

With the dawn came a moderation in the wind, and the sea during the day became some calmer, my wife ventured on deck, returning every half hour in hopes of alluring me from my comfortable couch, with glowing accounts of the beautiful sea, bracing air, etc. About noon I managed to pluck up strength enough, and on deck I went, and found the remnants of several old sea dogs look ing even worse than I, huddled together about the smoke stack. In the bracing air appetite soon returned, and the unpleasantness of the past few hours were soon forgotten.

Life on board the Atlantic steamers is much the same, time is passed in card playing, singing, deck promenading, and other harmless amusements; on Sunday, divine service in the morning, and sacred music in the evening is the usual thing. Eating also takes an important part, and the oftener the bell rings the better, to the convalescent its sound is joyful.

LAND, HO!

The cry "land" brings us all on deck, glasses are brought to bear on what appears to be land, and every eye is strained in hopes of distinguishing objects, and living things of this, to us, new country. One sees houses, another trees, whilst a keener pair of eyes can see human beings, walking over the hills; after we have all seen, or imagined we saw everything animate and inanimate, the Captain tells us that he has made a slight error in his reckoning, and that land is a little premature. If there was not land there was an innumerable number of small crafts on every side, indicating land not far away. It was quite a sight to see these minature ships ride the heavy sea, which was running at the time. The captain of one signalled us and our steamer was stopped, we soon had a supply of fresh fish, whilst he in exchange received papers and tobacco.

ENDING OF VOYAGE.

The following twenty-four hours was all bustle and confusion, for to-morrow we are to arrive at Liverpool. Baggage is hoisted out of the hold, and got in readiness for the custom officers to examine, and a thousand and one things to do, forgotten until now. Nothing can be found, not even our fellow passengers who had always been on hand before, somehow had most unaccountably disappeared, and such a hurrying and rushing about was never before seen. One wants your autograph, another a few verses in her album, another your London address, another your tooth brush, in fact they all want something, any of which they could have had before, but never thought of till this confusion commenced; and the result is you write your name so that your best friend would not recognize it, manufacture the most trashy, ridiculous verses, and give an address unknown to the earliest inhabitant, besides doing other nonsensical things, without knowing why or wherefore. In the evening a meeting was called, and resolutions passed extolling the officers for their gentlemanly bearing, untiring efforts, and bravery during the storm, taking the sun, promptness at meals; etc. These resolutions appropriately decorated, and signed by all the passengers, were duly presented to the officers, who endured the proceedings with considerable nerve, considering that this same thing takes place on every voyage they make. In fact some of the Atlantic steamers have a separate compartment for resolutions, and these are crowded for space. I would suggest that travelers contemplating inflicting these miseries on the officers of sea going vessels should inaugurate the festivities the first day out, the following day could be devoted to a burial at sea.

THE LAST DAY.

The sail up St. George's channel was delightful, the day was warm and balmly, and we were continually passing steamers and sailing vessels inward and outward bound. As we passed Holyhead light a pilot came on board bringing the latest news. A few hours later and we are in the Mersey, a grand salute bidding us welcome, whilst the steamers dip their colors, and officers and men cheer in response to our greeting. The *Oceanic* swings into her dock, a safe landing is made, our baggage is examined, and after a hurried parting with our ten day friends, many of them congenial, pleasant companions, we are ferried across the river, and after a short drive in a cab, are at the hotel in Liverpool. The first stage of our journey over.

[CONTINUED IN OUR NEXT.]

DRINKING AT MEALS.

The habit of washing down the food interferes with the habit of thorough chewing. It also deluges the stomach with an unnecessary amount of fluid, at least in most cases, since those who drink at all while eating usually indulge the habit immoderately. The animal system requires water in order to carry on its various functions. This must be supplied by drinks, or by eating juicy or semi-fluid food. But only a moderate quantity of liquid should be taken with the food, and for those with good teeth no drinking at all is necessary. The stomach can not work upon the mass introduced into it at one meal, until it has disposed of enough of its fluid contents to leave it in a sufficient dense condition for kneading and churning, and stirring about by the strong muscles of that organ. Too much fluid improperly dilutes the gastric juice which the stomach mixes with the food in order to help its thorough digestion. If the fluid mixed with the food as it is swallowed be very cold, it farther retards digestion by lowering the temperature of the contents of the stomach below the working point, so that digestion can not go forward until the body has sufficiently raised the temperature of the food in the stomach. With warm meals, a moderate amount of cold water (not ice-water) may produce no noticeable result, but the hearty cold water drinks had better be taken when the stomach is empty. Poured into a full stomach they often produce great discomfort, and sometimes result in serious disease. Drinks with meals, especially for persons with defective teeth, had better be warm than very cold. Still, I think that if you teach your growing family to eat their food deliberately with no tumbler or other drinking vessel at all placed habitually besides their plates, so that they naturally learn to moisten the food well with nature's own preparation for that purpose—the saliva, which pours from the glands about the mouth with every motion of chewing—the children will grow up healthier in all respects for the good habit of deliberate and thorough chewing, and of drinking at proper times.

THE BLOOD---THE LIVER---LIFE.

Almost every newspaper in our land far and near herald now preparations for curing "Liver Diseases" and "Purifying the Blood," page after page of our daily and weekly Journals publish all the old and new drinks. "Bitters" of all kinds have posters on the fences and buildings all over our State and Country, for all know that BLOOD IS THE LIFE AGENT and without PURE BLOOD diseases of all kinds are constantly generating.

Our newspapers all are almost daily making records of sudden deaths by *heart disease* and by *apoplexy*, and these are only in truth BLOOD DISEASES, which all the vinous or spirituous stimulants in the world, though they may relieve from pain temporarily, yet can never thoroughly cure of disease.

To perfectly cure, the blood must be made pure and life giving; its diseased condition must be changed, and new vitality must be so infused into it, and with such power as to drive out all the impurities, so that new vitality shall infuse *new life* into its circulation.

Among all the many preparations that have thus far been perfected there has never yet been any equal to DAVID CLARKE'S EUCALYPTUS BLOOD PURIFYING REMEDIALS.

These are entirely free from all mineral or spirit ingredients, nothing but the pure properties of the *combined virtues* of *leaf*, *bark* and *root* of more than fifty varieties of this famed tree are concentrated in this wonderful Blood Purifier and life saving Medicine.

Those who would be saved from sudden death by *heart disease*, *apoplexy*, *diphtheria* and the other fearful diseases which this renowned Medicine cures, should not fail to guard their own lives and that of their kindred and friends by using this *Australian Remedial*, the only pure variety is that of David Clarke, Warwick, in Australia, ask your Apothecary for this Preparation and thus save life.

DEBT.

The present system of shopping and marketing on credit is radically wrong, and an injury to all concerned, and the fault lies about equally with those who buy and those who sell. The merchant likes a running account with his safe customers, because it gives him a hold on their continuance, and makes his sales larger and more profitable. The customer likes it because it evinces his good credit, and enables him to get what he wants without waiting for a full purse. But at length a settlement comes and then the customers is astonished at the size of the bill and his own folly in purchasing things which his family could easily have dispensed with.

If you are wise, and will consult your own comfort and the good of others, you will follow the rule, pay as you go, inflexibly. It does not need the authority of an apostle to establish the wisdom of the proverb, "owe no man anything." Were this sage precept universally obeyed, one of the chief sources of trouble would be taken out of the civilized world. Besides a great gain in public morals; there would be a vast saving in the economy of living. But, if in the management of your property you are sometimes asked to give credit or time for payment, do not fear to scrutinize your debtor closely. A good customer is never disconcerted by it; it is only doubtful and the bad who resent it. Short settlements make long friendships. A very long credit account, like a note, becomes in time invalidated. It dies of old age.

Marriage.

Marriage, or engagements to marry, should not be entered into inconsiderately. If the old axiom that haste makes waste is true as applied to the ordinary affairs of life, it may be said that undue haste often results in unspeakable misery in matrimonial alliances. Love is proverbially blind; he is more—he is willfully blind and should be made to open his eyes. A little common-sense mingles advantageously with everything; so far from being out of place, it is absolutely essential to safety in affairs of the heart. Many a girl has had her whole happiness for life destroyed because she obstinately chose to form her estimate of the character of a suitor exclusively by his behavior towards her, and his professions of love, rather than by his conduct towards others. It is a pretty safe rule that a man whose whole life is but an exemplification of selfishness will not long continue generous in relation to his wife. Character is seldom revolutionized by marriage. There may be a slight reform temporarily; it rarely lasts long. And men suffer as well as women from ill-assorted marriages. Many a towering ambition has been crushed, many a cupful of happiness has been converted into the dregs of bitterness, from the neglect of a young man to become thoroughly acquainted with a girl before engaging himself to her.

A Novel Ornament.

On the last day that he was in London General Grant came into competition with a beetle. It was California scarabœus, and I am bound to say maintained its position with a good measure of success. Most of us who went to Minister Welsh's reception had seen General Grant before, but few, if any, had ever before seen a handsome lady wearing for a decoration a large burnished beetle. The beetle, which was an inch and a half long, was gold rimmed by nature, and around it the jeweler had fastened a gold ring with a chain, at the end of which was a pin. This being attached to a large satin rosette the brilliant creature had a fine little field to wander over and display its coleopterous attractions. The handsome lady—Mrs. Randolph Clay—took it off that it might pass from hand to hand, so that all might know that it was a live beetle. Around this silent Californian there was a larger group than around the silent ex-President. The lady said the scarabœus had been in her possession for six months, and during that time it had neither eaten or drank anything, though refreshment was often offered. It seemed to live on air, and its health was perfect. It may be that the Egyptians, who ascribe so much sanctity to the scarabœus, had observed its ability to live without earthly food.

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NEILLSON. I shall take every opportunity to recommend and praise your instruments.

KELLOGG. For the last six years your Pianos have been my choice for the Concert Room, and my own house.

PATTI. I have used the Pianos of every celebrated maker, but give yours the preference over all.

STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

WEHLI. Madame Parepa called your Pianos the finest in the United States. I "fully endorse," that opinion. They have no "rival anywhere."

MILLS. Amongst the many excellent Pianos made in the city, the Weber ranks foremost.

LUCCA. Your Uprights are extraordinary instrument and deserve great success.

MURSKA. Your instruments surpass my expectations, and I rank you justly as the Foremost Manufacturers of the day.

GODDARD. Your Instruments have no "superior" anywhere. I certainly have not seen any Pianos in America which approach them even.

The Cottage Gem Piano,

Is 7 Octave. Serpentine Mouldings. Carved Legs, and is the BEST PIANO in the market for the price.

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This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It occupying six large buildings with extensive shady playgrounds, covered gymnasiums, swimming pond, etc.

It possesses a most complete philosophical apparatus, and valuable collections of mineralogy and geology. It has also practical schools of Amaying, Surveying, Telegraphy, Photography, and Commercial business. For the latter a new building 180x40 has just been finished that leaves nothing to be desired.

Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course.

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WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the *nformation of their Wants.*

Miscellany.

Gatherings along the way side,
Floating gems by every tide.

LITTLE DAN.

BY MRS. E. Y. HOUSE.

In a lovely home in ————, a little boy of three years was found asleep, with his arms around the necks of his father and mother, who had both died of the yellow fever.

Where the skies of summer, bending
O'er the homes in sunny clime,
All the charms of nature lending
Melody to summer rhyme.
There—the vines of beauty dressing
Bowers of light, and love, and joy—
Lived and loved, in love's caressing,
Little Dan, the Southern boy.

Shadows fall where sunlight lingers,
And the fitful fever king
Chained the lives, with icy fingers,
That to happy childhood cling;
Sealed the lips of mother-blessing,
Stilled the heart of father-care,
Twined his arms in mute caressing—
Little Dan was sleeping there.

Eyes unused to kindly weeping
Turned aside a tear to hide,
As the orphaned boy lay sleeping
By the dear, dead mother's side.
Hands grew gentle as they bore him,
But he wakened with a cry—
"Mamma' papa, have you left me?
Mamma, mamma, did you die?'

Swift the news on wires were flying
From the Southland, stricken sore,
And the heavy air was sighing
With the plaintive tale it bore.
Then 'twas woman heart that answered
Where the Northern rivers ran—
"I will be a mother to him,
I will care for little Dan."

—*The Woman at Work.*

THE CAMEL'S REVENGE.

A few years ago it chanced that a valuable camel, working an oil mill in Africa, was severely beaten by its driver, who, perceiving that the camel had treasured up the injury, and was only waiting a favorable opportunity for revenge, kept a strict watch upon the animal. Time passed away; the camel perceiving that it was watched, was quiet and obedient, and the driver began to think that the beating was forgotten, when one night, after the lapse of several months, the man who slept on a raised platform in the mill, whilst, as is customary, the camel is stalled in a corner, happening to remain awake, observed by the bright moonlight that when all was quiet the animal looked cautiously around, rose softly, and stealing towards a spot where a bundles of clothes and a bernous thrown carelessly on the ground resembled a sleeping figure, cast itself with violence upon them, rolling with all its weight, and tearing them viciously with its teeth. Satisfied that its revenge was complete, the camel was returning to its corner, when the driver sat up and spoke; and at the sound of his voice, and perceiving the mistake it had made, the animal was so mortified at the failure and discovery of its scheme that it dashed its head against the wall and died on the spot.

THE LAUNDRESS.

A husband complained that his shirt bosom and collars were badly done up, and the case was referred to a knowing shirtmaker, and his answer was well worthy the attention of house-keepers:

"Yes," said the man, "the fault is with your laundress. While doing up your collars, she stretches them the wrong way. Damp linen is very pliable, and a good pull will alter a fourteen-inch into a fifteen inch collar in the twinkling of an eye. She ought to stretch them crosswise, and not lengthwise. Then in straightening out your shirt bosom she makes another mistake of the same sort. They also ought to be pulled crosswise instead of lengthwise, particularly in the neighborhood of the neck. A lengthwise pull will draw the front of the neckband somewhat under your chin, where it was never meant to go, and of course it spoils the set of your collar. With the front of your neckband an inch too high, and your collar an inch too long, you have a most undesirable combination."

The necessary changes were made in the methods of the laundry, and all was right with shirts and collars.

WANTED.—The wild rabbit that called himself a "bunny-fied traveler." The March hare that was "cut off with a shilling." The parrot that quoted Macaw-lay. The omniverous ostrich that devoured the "crust of the earth." The horned owl that studied horny-thology. The fish that was weighed in its own scales.—*Funny Folks.*

WANTED.—The dog that barked his own shins. The French warhorse that gave a Martial Neigh. The mouse that kept its own trap. The cow with a "sweet and low" voice. The scornful ox that tossed his head. The pig that fed out of the "trough of the sea." The busy bee that led a "hum"-drum life. The apt that emigrated to the Antipodes.

When little Thomas stoops to toy with berries, jam, and jelly-cake, no art can soothe the chastened boy—no nostrum ease his stomach ache. And if the griping pains defy the medicines prescribed to kill, his parents will do well to try the limpid, liquid castor-oil.

Alcohol will clean out the inside of an inkstand. It will also clean out the inside of a pocketbook a little more thoroughly and quicker than anything on record.

"I say, Jack, which would you rather, that a lion tore you to pieces, or a tiger?" "Why, you goose, of course I'd rather a lion tore a tiger to pieces."

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Berkshire Record.

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For further information, read carefully the Third Annual Report of the Association, and the Suggestions, Instruction and Rules therewith, or Address,

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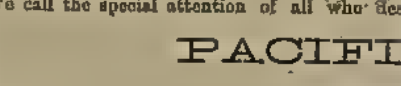

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A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to

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Our Merchants and Shippers of Goods to Australia who desire to know the rates of duties to the several Colonies, cand find a "List of Duties" of each district at the Office and Reading Room of the CALIFORNIA FARMER, 320 Clay Street, San Francisco.

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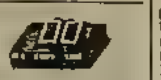

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They are especially useful in all Female Irregularities.

TESTIMONIALS:

WONDERFUL!

WARWICK, QUEENSLAND, APRIL 21, 1877.

MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR,—I think it my duty to you, and for the benefit of others, to state, that for the past two years I have been troubled with a pain in my left side, I think through a hurt. I have been under the treatment of two medical men here. One told me I had heart disease; another, disease of the lungs. I went to Brisbane and consulted one of the leading Physicians there. I spent thirty pounds with doctors for medicine, and was worse than when I commenced. I could scarcely breathe for pain, and had given up hope that I was ever to be better. I heard of many cures by your Liver and Bilious Pills; I thought I would try them." I have only taken three small boxes: the pain is gone, my general health is improved, and now I can work as well as ever I have done. I have been working on the roads. My case has been well known here, and my wonderful recovery. Being for ever thankful to you. I am, truly yours,
WILLIAM STEWART

PARTICULARLY NOTE THIS.

HARBRIDGE, WARWICK, August 14, 1877.

MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR,—Four years ago I was sluicing, tin at the Tin Mines. With standing in the water I took cold shiverings with night sweats—lost all desire for food. Consulted a Physician in Warwick; was under his treatment four months without improvement. Dissatisfied, went to another, who gave me no hope of recovery, but improved a little under his treatment. One day, being very warm, I bathed in the river, and coming out of the water felt very ill. Went back to the doctor, who renewed the medicine without any benefit. In addition to the weakness and night sweats I had intense pain through my body, especially in my left side. My breathing was so painful and difficult, I thought I would be suffocated. I was five months, after the relapse, under the Doctor's treatment, getting worse every day, till the Doctor told me to go home, that I could not possibly live a week. I went home very sad. My wife persuaded me to try your Liver and Bilious Pills. I did. Before I used one box the night sweats were gone, the pain in my side better, my appetite improving. Got another box, and before it was finished, the pains were all gone, my breathing improved, and now, two months after, I never enjoyed better health, can do my work as well as I ever did. I can thoroughly recommend your Pills as having saved my life.
MICHAEL BYRNE.

WARWICK, December 30th, 1872.

To MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed good *health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 23, 1874.

To MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefited. (Signed)
JOHN GREEN,
—Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus:

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it but if I must take it give me the Eucalyptus above all others. Yours sincerely,
GALEN CLARK.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved an cured from long and great suffering by the use of thes Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you Davi Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY
David Clarke.
Manufacturing and Wholesale Chemist,
AT HIS LABORATORY,
Warwick, Queensland.

FOR SALE BY
WARREN & CO.,
SOLE AGENTS FOR THE
UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

COMMISSION
SALES-ROOM,
AND—
Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass o purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, o for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipmen of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and eve y article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

BOOKS---SEEDS---TREES

All rare and choice things can always be purchased as above.

Silk and Tea Culture,
A PRACTICAL TREATISE ON
SILK CULTURE,
AND ALSO UPON
TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 5 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large ots. Also

EUCALYPTUS SEED.

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine Patent Bee Hives of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,
320 Clay Street,
SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Linament for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Linament is needed, as it has been proved to be the best Linament known.

FOR SALE,
Wholesale and Retail,
WARREN & CO.,
320 Clay Street,
AGENTS FOR DAVID CLARKE'S REMEDIALS.

CASH FOR ADVERTISING:

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill*" this we cannot do without CASH, or a special understanding before hand.
WARREN & CO.

TO ADVERTISERS ABROAD.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,
TO THE COLUMNS OF THE
CALIFORNIA FARMER!
NOW
Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,
Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *Three or Four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows:—All line advertisements will be ONE DOLLARS for Five Lines, or less, Nonpareil, *and Inserted Once; and Fifteen Cents per Line;* each subsequent Insertion, *Ten Cents per Line.* This offers the best and most reasonable rates, giving to the FARMER does, a wide circulation for its patrons. It is the very best medium to reach the best patrons of the agricultural community.

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $20.00.
For one-eight of a column, three months.....$15.00 | For one-half of a column, three months..... 50.00
For one-quarter of a column, three months ..... 30.00 | For an entire column, three months 100.00

For a six month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable; the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the abov rate

WARREN & CO., Proprietors,
320 CLAY STREET, SAN FRANCISCO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, March 20, 1879.

Money and Exchange Tables.

Exc. on England, new style, long and short	4 86 a 4 88½
Gold, at par	— 1 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	8s10d a 9s 3d.
Value of Club Wheat in Liverpool	9s 2d.a 9s 5d.
Value of Wheat in New York, bushel	1 09 — 1 19
Brewers Barley in New York, bushel	95 — 98

MONEY AND EXCHANGE TABLES.

The money market of San Francisco shows a great abundance on deposit at banks, and capitalists have plenty to let at low interest, there is a great deal more money than trade.

Money everywhere, in all the great marts of trade, is very abundant and rates of interest low, the very great depression in trade stops business, and no one feels like investing either in trade or any manufacturing business, and this state of things will continue till after the Constitution question is decided—if our people reject it "The country is safe," if they accept it, look out for the Porphyry House, and a general stagnation of trade, for our people see danger and trouble in the New Constitution, and its rejection only can give confidence and make trade revive once more.

Money in New York is a drag, as low as 1, 2, 3 per cent per annum on three months' paper

Our bank rates are 7 to 9 and 9 to 12 per cent, according to cases—long loans can be had at 7 per cent and less.

GRAIN AND FLOUR MARKET.

The *Grain Market* has been a very quiet one since this month came in, the blessing of more rain checking business and the little disposition to sell by the holders, and less ships to load has made a quiet market in wheat for March thus far, without much change in values.

The *Flour market* has also been a quiet one with prices about as last quoted—there has been a little export as usual to China.

The *Barley market* has had a severe drop in values, and the price came down to very low figures, there has been some shipments or barley to Australia lately.

The cause of the decline in the barley market is undoubtedly owing to the large stock on hand, and the certainty that there will be a large crop this coming year, with these facts however, it would seem that barley is a good and safe investment at 65 to 70 cents, the present figures offered for barley

The *Market* for *Oats* is also down, and very little trade at present, oats also goes to Australia.

Corn, Rye and *Buckwheat* all partake of the quiet market, with all kinds of merchandise.

The whole class of *Feed Stuffs*, such as *Bran, Middlings, Ground Barley, Corn Meal*, and *Oil Cake Meal* are about as before.

The *Hay Market* is dull and figures a shade lower.

The *Seed Trade* since the rains has been more lively, and a considerable amount of clovers and blue grass have been planted, and as favorable weather continues, much more will be planted all through this month.

The *Hop market* is still as before, and little or no demand with price way down.

The *Potato Market* has received a full supply and prices low—*Sweets* the same—*Onions* advanced in price

The *Honey market* is still full of the sweets and at a low price, our southern counties are sending us sweets abundantly.

By reason of the rains and general dull trade the markets all are very quiet, and what we say one week of many departments is also the condition of another week, this has been so for weeks past, requiring no change in words.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 45 - 1 50
do Choice do.	1 60 — 1 65
do Milling do.	1 67½ — 1 70
Barley, per 100 lbs., feed	70 — 75
Barley, for brewing, (Chevalier)	1 05 — 1 10
New Rye	95 — 1 00
Oats, California, per 100 lbs.	1 20 — 1 55
Corn, do. do.	90 — 1 00
Flour, Superfine, per bbl.	4 00 — 4 25
do. Extra	4 30 — 4 50
Extra Flour for shipping	5 00 - 5 25
Very Extra Family Flour	5 25 — 5 50
Oregon Superfine	4 00 — 4 25
do. Extra for Shipping	4 75 — 5 00
Corn Meal per 100 lbs.	2 00 — 2 25
Buckwheat per do.	1 25 — 1 40
Bran per ton	13 00 —15 50
Middlings per ton	18 00 — 18 50
Ground Barley	18 00 —20 00
Oil Cake Meal, for feed, per ton	—32 00
Beans, per 100 lbs, various	1 75 — 3 50
Beans, Lima	4 00 — 4 50
Potatoes, common	1 00 — 1 10
Potatoes, choice	1 10 — 1 20
Early Rose	1 50 — 1 60
Sweet Potatoes	2 40 — 2 70
Onions, new	11 00 —12 50
Hay per ton, ordinary	8 00 -10 00
Hay per ton, extra	11 50 —13 00
Wheat Hay	13 00 —15 50
Alfalfa Hay	—
Straw per ton	5 00 — 6 00

Retail Prices in the Fruit Market.

Our *Fruit market* changes its features now, Apples are losing their fresh crisp—Pears scarce, all but baking, other kinds getting old and are passing away.

The show feature of our market is our semi-tropical fruits. Oranges are very abundant, but size and appearance not up to former years, this is to over cropping the trees, fruit is too small, peddled round the streets, "Ten cents a dozen" is the cry—Lemons are good, limes also, plenty of Inland fruit, so we have quite a show.

More pains must be taken in pruning our trees, and not to overbear them, then we shall have fine fruit, and such will pay the grower better.

Apples, per box	75 — 1 50
do. do. lb	6 — 8
Pears, per box	2 50 — 3 00
" per lb	10 — 12
Figs, dried, per lb.	12 — 15
Tahiti Oranges, per doz.	25 — 40
Lemons, imported, do.	30 - 50
Limes, do. do.	20 - 25
Pine Apples, each	75 — 1 00
Bananas, per bunch	2 00 — 3 50
California Oranges, per dozen	10 — 50
" Lemons, "	30 — 50
" Limes, "	25 — 30
Persimmon	20 - 25
California Walnuts, per pound	8 — 12
Almonds, hard shell, per pound	12 - 14
do. soft shell, do.	16 — 18
Foreign Pecan Nuts	12 — 15
Madeira Nuts	12 — 15
Foreign Brazil Nuts	16 — 20
Filberts	12 — 15
Calif Walnuts	7 — 10
Pea Nuts	8 — 10

Retail Price in the Vegetable Market.

The *Display* of *Vegetables* is all one could ask, plenty of the very best fresh from the soil every day, and thus healthy, besides all vegetables are very low, no one can complain, the show in our markets cannot be excelled in any market in the world either for variety or quality.

Asparagus	8 — 10
Artichokes, (French) per doz.	15 — 20
Tomatoes, per lb.	3 — 6
Beets, per doz	— 25
Broccoli, each,	10 — 12
Cauliflower,	10 — 12
Cabbage, do.	8 — 10
Carrots, per doz.	— 25
Celery do.	75 — 1 00
Celery Root per dozen	— 75
Cress, per dozen bunches	10 — 12
Cranberries, per gallon	— 80
Dried Herbs, per doz.	30 — 40
Green Peas, per lb	8 - 12
Lettuce per doz. bunches	12 — 15
Onions per lb.	12 — 15
Horseradish, per lb	12 — 15
Okra, green, per lb	—
Okra, dried, per lb	— 50
Choice Potatoes	2 — 2½
New Potatoes,	5 — 6
Potatoes choice, per 100 lbs	2 00 — 2 50
Kidney Potatoes, per lb	3 — 4
Pumpkins	2 — 3
Parsnips, per doz. bunches	— 20
Salsify, do. do.	— 20
Parsley, do. do.	15 — 20
Pickles, per gallon	40 — 60
Radishes per doz. bunches	0 — 8
Rhubarb, per lb	0 — 8
Squash, Marrowfat	2 — 3
do. Hubbard	— 4
Lime, Dry	8 — 10
String Beans, per lb.	—
Spinage per lb	— 5
Salads, per bunch	4 — 5
Turnips, per doz	— 20
Garlic	8 — 10
Eschalot	15 — 20
Mushrooms	8 — 10

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea. Our salmon beat the world for this choice fish.

Salmon ₱ lb	12 — 15
do smoked new	10 — 12
do pickled, ₱ lb	6 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Smelts, per lb.	10 — 10
Perch do.	10 — 10
Rockfish do.	— —
Codfish, dry, per lb	— 8
Herring, fresh, per lb.	— 25
do smoked, ₱ doz	— 12
Tomcod, per lb	— 10
Sardines, fresh, per lb	— 20
Solefish, per lb	15 — 25
Mackerel pickled, each	— —
Shrimps, per lb	8 — 10
Flounders do.	12 — 15
Sea Bass do.	20 — 25
Halibut do.	40 — 50
Sturgeon do.	2 — 4
Turbut do.	30 — 40
Terrapin, ₱ doz	2 50 — 3 00
Pompoon do.	— — 2 50
King Fish do.	— — 25
Anchovies do.	12 — 17
Frogs, per doz.	2 00 — 2 50

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market. Oysters are showing nice and fat and the public appetite now craves this delicious bivalve. Every day a grand show in our market.

Oysters ₱ 100 choice	75 — 1 00
Chesapeake oysters per dozen	50 — 75
Craw Fish, per lb	12 — 15
Clams per 100	— 50
Mussels do	— 25
Crabs, boiled, each	— 25
do. soft, per doz.	— 50

Retail Meat Market.

The *Retail Meat market* furnishes all the choicest kinds at unusually low figures for this season of the year, and thus is an unusual full market.

Porter House	15 — 20
Porter House, extra	20 — 25
Beef, tenderloin, per lb	18 - 20
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	8 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	10 — 12
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	10 — 12
Beef tongues, each	— 75
Pigs tongues, each	— 15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	13 — 15
Choice hams, Dunfield	15 — 18
Whitaker, St. Louis, Mo.	15 — 18

Poultry and Game Market.

The *Poultry market* has not been so well supplied, the weather checking supplies and prices generally higher.

The game in the market is more plenty and a good demand and liberal sales at fair prices.

RETAIL PRICES.

Ducks tame each	75 — 00
Canvas Backs, pair	75 — 1 00
Small Ducks, dozen	1 50 — 2 00
Geese tame, per pair	2 00 — 2 50
Broilers	50 — 63
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	25 — 26
Snipe, English per doz	3 00 — 3 50
Pigeons, domestic, per doz	4 00 — 4 50
Quail, per doz	1 00 — 1 50
Hares each	25 — 38
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Squirrels, per pair	— 25

Poultry and Game—Wholesale.

Broilers, per doz	4 00 — 5 00
Large Chickens, per doz	6 00 — 7 00
Hens, per doz	7 00 — 8 00
Turkeys, dressed, per lb	18 — 20
Ducks, tame, per doz	7 00 — 7 50
Canvas Backs, dozen	3 00 — 4 00
Small Ducks, dozen	1 00 — 1 50
English Snipe, per doz	2 50 — 3 00
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Quail, per doz	1 00 — 1 25
Hares, per doz	1 50 — 2 00
Rabbits, tame, per doz	1 00 — 1 75
Squirrels, per doz	75 — 1 00

Retail Dairy Market.

The *Dairy market* is now very fully supplied, even overstocked—and prices much lower all round, choice roll butter selling as low as 23 to 25 to the trade, California cheese is more plentiful and at a lower figure—eggs are very plenty and the lowest of the season—see rates below.

Butter, California, Extra Choice per lb	30 — 35
do. do. for (Cooking) do	22 — 25
do. do. packed best roll	27 — 30
do. do. Eastern	23 — 25
California Eggs, per doz	23 — 25
Oregon	— 25
Duck Eggs, do	— 50
Cheese per lb	15 — 20
do. Sage, per lb	25 — 30
Eastern Cheese, do.	25 — 30
Lard, California, per lb	18 — 20
Lard Eastern, do.	— 16
Honey, Comb	15 — 18
do. Strained	8 — 12
Vermont Maple Sugar, per lb	— 20

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb. (Fresh)	23 — 25
do. Packed Roll, do.	24 - 27
Eastern Butter	20 — 22
Cheese, California, per lb	10 — 13
California Eggs, per doz.	20 — 22
Eastern Eggs, per doz	20 — 21
Duck Eggs, "	20 — 22
Lard, per lb., in tins	12½— 14
Eastern Lard, per lb., in tins	13 — 14

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging market* generally firmer and a little advance on grain bags; the price will go up, and when they have advanced 25 or 50 per cent. our grain growers will say, I wish I had bought when they were low.

Hand Sewed Bags, Standard, 22 x 36 com. prices	9½ — 9¾ cts.
Second Hand, Extra	8 — 9¼ do
Machine Sewed, 22 x 36	9 — 9¼ do
do. do. 20 x 36	— 8¼ do
Barley Bags, 22 x 40	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— 8½ do
Wool-sacks, new	45 — 55 do
do. second hand	30 — 40 do
Potatoe Gunnies, Double Sewed	13 — 13½ do
do. do. Second Hand	10 — 10½ do
Flour Bags, quarters	4½ — 5 do
do. halfs, six qualities	7 — 9 do

Staple Home Products.

Our general assortment of *Home Products* show well, and their general increase show that our State and coast productions is fast stopping importation of many articles, and, because we grow, prepare and manufacture a better quality.

These are established facts known at home and abroad.

Flax Seed, per lb	2½— 3½
Hemp Seed, per lb	3 — 4
Castor Beans, per lb	3 — 3½
Castor Oil No 1 Diamond in cases, per gallon	— 1 00
" " " barrels "	— 1 05
Castor Oil, No. 2 Diamond in cases per gallon	— 1 00
" " " barrels "	— 95
Linseed Oil, Boiled	— 75
do. Raw	— 72
Cocoa Oil	— 55
Hops, California	3 — 10½
Alfalfa	12 — 14
Mustard Seed	2 — 3
English do.	4 — 5
Canary Seed	4 — 5
Coriander Seed	3 — 10
Broom Corn	4 — 6
Bees Wax	23 — 26

California Leather Market Report.

The *Hide, Leather* and *Tallow markets* partakes of the general stagnation of trade—waiting, waiting, for a revival, no change since last week everything dull, little or no sale.

California Sole Leather	23 — 30
do. Harness do.	— 30
do. Skirtings,	— 37½
do. Skirtings,	4½— 6½
Bridle Leather	1 2 — 26
Rough do. Oak Tanned	50 — 1 00
Waxed Calf Skins	30 00 —55 00
do. Kips do. per dozen	15 — 17
do Leather per foot	

Wool, Tallow, Hides, Etc.

The *Wool Trade* has not yet moved, spring clip kept back and no arrivals of any amount; no demand—no sales—therefore, prices nominal, no change.

Wool, Spring Clip,	15 — 18
do. Choice Extra	17 — 18
Fall Clip	14 — 18
Oregon Wool, per lb	10 —
Mixed um, bright	12 — 14
do. burry	10 - 11
Goats' Wool (mohair)	20 — 75
Dry Hides, per lb	12½ - 13½
Green Salted, per lb	7 — 9
Deer Skins	60 — 1 00
Sheep Skins, wool on	25 — 75
do. do. plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	5½ — 6½
Tallow, refined	7 — 8

Average Slaughtering Prices.

The *Wholesale Meat market* continues well supplied, and at low figures, the quality of the meats in our markets are always A No. 1—this week prices are low.

Beef, American, 1st. quality	6 — 7 cts
do. do. 2d. do.	4 — 6 do.
do. do 3d. do.	3½ — 4 do.
Veal	6 — 8 do
Mutton	4 — 4½do
Lamb	7 — 10 do
Pork, Undressed	4 — 4½do
do. Dressed	6 — 6½do

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For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU March 17th, and every fourth week thereafter.

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports; also, HAVANA and all WEST INDIES ports on 5th and 20th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

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Cor. FIRST and BRANNAN STREETS.

47 5

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C. P. R. R

COMMENCING

SUNDAY, JUNE 6th, 1875,

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma. (Arrive 8:55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 5:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 8:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 9:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Caliente and Los Angeles Also at Niles with Train arriving at San Jose 6:55 P. M. (Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily. (Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND

"Daily"—7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M., 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.

"Daily, except Sundays"—6:10 A. M and 11:45 P. M

"Sundays only"—10:30 and 11:30 A. M., 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4:00 5:00 6:00 and 10:30 P. M.

"Sundays only"—11:00 A. M., and 1:30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M.; 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—7:30, 8:30 and 9:30 A. M.; 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—6:30, 11:00 A. M. and 12:45

"Sundays only"—10:30, 11:30 A. M. and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:40, 9:00 and 10:10 P. M.

"Daily, except Sundays"—5:10 and 5:50.

"Sundays only"—11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:03 and 9:00 A. M.; 3:00, 3:58, 5:00, 6:08 and 7:00 P. M.

"Daily, except Sundays"—5:00, 5:40, 11:30, A. M., and 1:30 P. M.

"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—8:55, 8:00 and 11:05 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M.; 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:20, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays"—6:20 A. M. and 1:50 P. M.

"Sundays only"—10:20 and 11:20 A. M.; 12:20, 1:20 and 1:35 P. M.

T. H GOODMAN, General Passenger and Ticket Agent.

A. N. TOWNE, General Superintendent.

Southern Pacific Railroad

NORTHERN DIVISION.

Winter Arrangement.

Commencing Monday, December 5, 1878,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows

8:30 A. M., Daily for San Jose, Gilroy Hollister Tres Pinos, Pajaro, Salinas, Soledad and all Way Stations.

AT PAJARO connects with the SANTA CRUZ, R. R. for Aptos and Santa Cruz.

At Salinas connects with the M. & S. V. R. R. for Monterey.

Stage connections made with this train.

10:40 A. M., Daily for San Jose and Way Stations.

3:30 P. M., Daily, (Sundays excepted,) for Gilroy.

4:40 P. M., Daily for San Jose and Way Stations.

6:30 P. M., Daily for Menlo Park and Way Stations.

The extra Sunday train to San Jose and Way Stations is discontinued for the Winter season.

EXCURSION TICKETS to San Jose and intermediate points and return sold on Saturdays and Sunday mornings—good for return until following Monday mornings.

A. C. BASSETT, Superintendent. H. B. JUDAH, Ass't Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 4:00 P. M. daily, and making close connection at GOSHEN for Sumner, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton Colorado, River and YUMA.

S. P. R. R.

(NORTHERN DIVISION.)

SPECIAL ANNOUNCEMENT.

Commencing Saturday, July 13, 1878.

EXCURSION TICKETS

Will be sold by this Company from

SAN FRANCISCO

—TO—

San Jose and other Points and Return,

At Greatly Reduced Rates.

Tickets to San Jose, good for Return by either the Southern or Central Pacific Railroads.

These tickets will be sold ONLY on SATURDAYS and SUNDAY MORNINGS.

The RETURN TRIP Ticket will not be good for passage after the MONDAY following the date of purchase.

Ticket Offices—Passengers Depot, Townsend Street and at Valencia Street Station.

A. C. BASSETT, Superintendent. H. B JUDAH, Ass't Passenger and Tk't Agent.

NOTICE—SAN JOSE Excursion Tickets (via C. P. R. R.) can be purchased at the Offices of the Central Pacific Rail Road, Oakland Ferry, foot of Market Street, San Francisco, also, at the several Ticket Offices in Oakland. 48:8

1854. 1879.

THE

CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FIFTH year with 1878, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD of the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast, this is no rain bond, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on the Coast—this was at Sacramento in the year of 1852, and also the GRAND FAIR at San Francisco in 1858—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days and at individual cost.

THE CALIFORNIA FARMER was the first and only advocate of SILK CULTURE, TEA CULTURE, COFFEE CULTURE, COTTON CULTURE, and the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS and this was in early years when the masses lightly esteemed all such enterprises.

THE CALIFORNIA FARMER was the first and only advocate for the planting of the ALFALFA as a hay plant, and the first to introduce the seed and its culture, as not only this grass, but all other valuable grains and hay plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STONE WHEAT, of SUMMER FALLOW, of SUBSOILING, and DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL—doctrines that have now, after long years of trial become the basis of true and successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE AGRICULTURE, which such years of labor merit, the JOURNAL sends out NO AGENTS, NO RUNNERS, but only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

The TERMS OF THE CALIFORNIA FARMER are placed at a low price, should induce, as we trust, a generous addition to our LIST OF SUBSCRIBERS for the year of 1879

Desirous of placing this old PIONEER AGRICULTURAL JOURNAL, (The only exclusive AGRICULTURAL JOURNAL of the Pacific Coast), before the people at so low a price all can have it, we make the following

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California Farmer

1879.

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We propose for the year of 1879 to offer to our Patrons the following valuable JOURNALS in connection with our own at reduced rates, so as to give them the best work at a low rate—(all postpaid).—Price per year.

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The FARMER and RURAL NEW-YORKER	
The FARMER and PHRENOLOGICAL JOURNAL	
The FARMER and AMERICAN BEE MAGAZINE	
The FARMER and SCIENTIFIC AMERICAN	
The FARMER and HARPER'S MONTHLY	
The FARMER and HARPER'S WEEKLY	
The FARMER and HARPER'S BAZAR	
The FARMER and HARPER'S THREE WORKS	

(Others to be added.)

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CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, APRIL 3, 1879. NO. 6.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

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☞ Advertisements and Subscriptions are all payable in Advance.

☞ Our full ADVERTISING RATES will be found on the SEVENTH PAGE.

All Letters on Editorial Matters to be addressed to COL. WARREN, EDITOR.

☞ All Letters on Business connected with the Office should be addressed to

WARREN & CO., Publishers.

EUROPEAN.

From our Special Correspondent.

PARIS, January 30, 1879.

BEEF AND DAIRY STOCK.

In Germany as in France, much attention is being devoted to the relative general values of pure or half-blood Durhams. Opinion is in favor of the latter, as being less delicate, better milkers, and putting up flesh satisfactorily. The great fault found with the herd-book Durhams is, that they exact too much care. Respecting the charge that pure Durhams are more liable to abortion than other breeds, it cannot be sustained on the Continent, for any race abnormally fattened, is liable to the same draw-back. Excessive fat weakens the genital organs and so induces sterility. There is an agitation on foot to induce the authorities connected with cattle shows, to devote more serious attention to the encouraging of good milking cows, not only when in the heifer stage, but between the ages of three and eight years.

Belgian farmers complain this season, that their butter is bitter, and refused by customers. The cause is not so much due to the turnip diet, which ever leaves a taste, but to meadow hay, badly saved. When good, such hay is excellent for milch cows, and consisting of a variety of plants, imparts an agreeable perfume to the butter. Replacing the roots, and changing the hay, remedies the evil, while the bad hay if chopped, sprinkled for some hours with a brine, and then mixed with beet, potatoes, or other sliced roots, can be safely utilised. During the late severe weather many farmers tested the Scandanavian process of making butter at a low temperature, and in several cases with success.

DISEASES AMONG DAIRY STOCK.

Doctors differ; veterinary surgeons in France declare, that there is no danger to be apprehended from the consumption of milk from cows affected with the mouth disease, if the milk be cooked. The Belgians are strongly of the opposite opinion, and quote proofs where individuals have contracted the disease from partaking of cheese and butter, prepared from the milk of affected animals; the virus of the pustules was evidently not destroyed. There is not any difference of opinion as to the non-injurious consequences resulting from eating the flesh of animals so diseased. Fire as usual purifies everything. Dairymen ought to be making rapid fortunes at present in Paris; milk is the favorite food prescribed by doctors wherever it can be taken, and in the unboiled state. There are dairies that will guarantee to supply an invalid with milk constantly from the same cow, binding themselves as far as the season will permit, to supply the cattle with a uniform food. In the apothecaries' shops are notices, setting forth that orders are taken to furnish milk from stated dairies—the latter publishing in the newspapers once a month, the analysis of milk, by chemists of standing.

FREE TRADE IN GRAIN, MEALS, ETC.

Perhaps the most momentous question at this moment with French agriculturists, is that of free trade and protection. There is no unanimity on the subject, though all lean vaguely to the reciprocity solution. Australia and South America, have destroyed our wool clips, say French farmers, and the United States promise to do the same for our cereals and meat. "Manufactured meat," is the cure of free-traders, who, while objecting to any duty being placed on foreign grain, have not the same repulsion to putting a tax on imported meat. But as a large area of France is unsuitable for pasturage, but adapted for wheat, the protectionists insist on a duty of 3 francs per cwt. on American grain, which is about the cost of the transport of that quantity across the Atlantic. The consumer is inclined to wish for a plague on both the houses; for him, life never was so dear as now. One-half of the meat supply of the Paris markets comes from Russia, Austria, and Asia Minor. The average price of wheat here, is 13½ francs per cwt., while bran fetches from 7 to 9 francs. The following are the prices of a few other commodities per cent. and in francs: oats, 9; potatoes, 11; barley the same; hay is 47 the tan; the best butter 4, per lb., cheese 2, ditto, and eggs 2 francs, per dozen. Beef is per lb. 2½; mutton 1½; veal 2, and pork 1½. There is no prospect of the price of meat diminishing, and it has been established, the more the consumption of meat increases, the less is the demand for bread.

M. Stüpp, a German farmer, desiring to test the relative fattening qualities of rice and maize, tied up 18 bullocks in November 1877, three lots of 7, 6 and 5 beasts, respectively, and as nearly as possible under the same conditions as to age, weight, etc. The feeding was the same, save, that the rations of grain, 6½ lbs. daily, and in the form of flour, consisted of maize, oats and rice. He found that 85 lbs. of the latter, exercised the same nutrive effect, as 100 of maize. He recommends great care to be taken in purchasing the rice-meal, as it is extensively falsified.

[TO BE CONTINUED.]

AN EXPERIMENT WITH PEARL MILLET.

Pearl Millet has been cultivated for some years as a forage plant, in some of the Southern States, as "African Cane," "Egyptian Millett," "Japan Millet," and in some places as "Horse Millet," but little was known of it at the North before last year, and then only in such small quantities as to hardly allow of a fair trial. From what we saw of it in 1877, we determined to give it a thorough trial this season. A piece of good strong loamy ground was prepared as if for a beet or turnip crop, by manuring with stable-manure, at the rate of 10 tuns to the acre, plowing 10 inches deep, and thoroughly harrowing. The Millet was then sown in drills 18 inches apart, at the rate of 8 quarts to the acre. We sowed on the 15th of May, about the date we plant corn; in 12 days the plants were up so that a cultivator could be run between the rows, after which no further culture was necessary, for the growth became so rapid and luxuriant as to crowd down every weed that attempted to get a foothold. The first cutting was made July 1st 45 days after sowing; it was then 7 feet high, covering the whole ground, and the crop, cut 3 inches above the ground, weighed, *green*, at the rate of 30 tuns per acre; this, when *dried*, gave 6½ tuns per acre as hay. After cutting, a second growth started, and cut August 15th—45 days from time of the first cutting. Its height was 9 feet; it weighed this time at the rate of 55 tuns to the acre, *green*, and 8 tuns dried. The *third* crop started as rapidly as the second, but the cool September nights lessened its tropical luxuriance, so that this crop, which was cut on October 1st, only weighed 10 tuns green, and 1½ tuns dried. The growth was simply enormous, thus: 1st crop in 45 days, gave 30 tuns green, or 6½ tuns dry; 2d crop in 45 days, gave 55 tuns green, or 8 tuns dry; 3d crop in 45 days, gave 10 tuns green, or 1½ tuns dry. The aggregate weight being 95 tuns of green fodder in 135 days from date of sowing, and 16 tuns when dried to hay. This exceeds the clover meadows of Mid-Lothian, which, when irrigated by the sewerage from the City of Edinburgh, and cut every four weeks, gave an aggregate of 75 tuns of green clover per acre. There is little doubt that Pearl Millet is equally as nutritious as corn-fodder, which it resembles even more than it does any of the other Millets. We found that all our horses and cattle ate it greedily whether green or dry. If sowing in drills is not practicable, it may be sown broadcast, using double the quantity of seed—say 16 quarts per acre. The ground should be smoothed by the harrow, and again lightly harrowed after sowing: if rolled after harrowing, all the better. I know of no farm crop that will better repay high manuring, but so great is its luxuriance, that it will produce a better crop without manure than any other plant I know of. In those parts of the Southern States where hay cannot be raised, this is a substitute of the easiest culture, and being of tropical origin, it will luxuriate in their long hot summers. Even though our Northern seasons may be too short to mature the seeds, our experiments in New Jersey this summer show what abundant crops may be expected if the similar conditions are secured. Pearl Millet as a fodder plant presents a new feature in our agriculture, and I feel sure that within ten years we shall wonder how we ever got on without it. (Besides our own testimony given above, we have received the most satisfactory letters from experienced men in different parts of the country to whom we sent seeds of Pearl Millet for trial, and all are unanimous as to its enormous productiveness and great value. From all we have seen and can learn, we are fully convinced that Pearl Millet is to be one of the great fodder plants of the future. PETER HENDERSON.

A MOST SUCCESSFUL INSTITUTION.

The New Zealand Loan and Mercantile Agency Company may truly be said to be one of the best managed and most successful of the foreign institutions doing business on this coast.

The capital subscribed is £3,000,000, equal to $15,000,000. The head office is No. 1, Victoria Street, London, E. C., with branches in all the cities of Australia and New Zealand. The governing managers everywhere are among the most intelligent and wealthy men of the land, occupying high positions.

As an evidence of the good management and great success of this Institution, we state that the reserve found in 1867 was £5000, in 1872 $40,000, and in 1878 it had reached to £160,000, or nearly a million of dollars, and while the dividends had always been from 10 to 15 per cent. per annum, and often and extra dividend, even with an accumulating reserve fund, as a vote was taken to set aside £5000 ($25,000) for a fund for the officers of the Institution in case of misfortune—a noble act.

As the trade of the Pacific Coast is now rapidly increasing every year, requiring facilities for our merchants doing business with Australia and New Zealand, we take pleasure in presenting the above facts and in commending this Institution and also the NEW ZEALAND INSURANCE COMPANY, as both are important to our citizens in the trade we allude to.

In this connection we also give the very happy, important and pleasing address of the Hon. Mr. Russell in his very able report of the New Zealand Loan and Mercantile Agency, made at the close of the year of 1878, giving the condition of the Institution, its success, and its cheering prospects for the future.

Had we space we would give the whole balance sheet, reports, etc., but our space precludes it—we herewith give the address of Hon. Mr. Russell that speaks for the Institution nobly

The people of the Pacific Coast will please remember that Hugh Craig, Esq., is the agent for these institutions for the Pacific Coast.

We can say that Mr. Craig has been an earnest friend of our State in building up the trade between the Pacific Coast and Australia, and all who wish valuable information relative to Australia and New Zealand, can obtain it of Mr. Craig.

HON. MR. RUSSELL'S ADDRESS.

The CHAIRMAN, in moving the adoption of the report, said: Gentlemen, we meet you on this the Fourteenth Annual General Meeting with very great pleasure, having to place before you the most satisfactory Balance Sheet we have yet had to present for your acceptance. In saying this, I say a great deal, for the career of the Company since its formation has been one of continuous and unbroken success. We have been able to meet you on every occasion with a good Balance Sheet, and to pay a substantial dividend, beginning with 8 per cent., but going on increasing until we have now arrived at what we consider our permanent dividend of 15 per cent. Besides declaring regular dividend, we have always made substantial additions to our Reserve Fund. In the accounts we now ask you to adopt, we maintain the usual dividend of 15 per cent., and that not only on the old but on the new Capital which has been paid up during the past year, and we add to the Reserve Fund the very large sum of £40,000, of which £20,000 has been derived from the premiums on the fourth issue of shares which you authorized at the last Extraordinary General Meeting, but no less than £20,000 we have taken out of the ordinary earnings of the Company. I think I may fairly congratulate you on the achievement of such great success. But there is a class of figures which do not appear on the Balance Sheet or in the report which also indicate great progress in the Company's operations, and I now will take the liberty of referring to a few of these. Take first our debenture increase. On the 31st December, 1877, our debentures amounted to £1,631,321; on the 31st December, 1878, the amount was £2,320,913, showing an increase in round numbers of three-quarters of a million. I think that this, in the face of the times which we have had during 1878, is highly satisfactory, showing, as it does, the great confidence of the debenture holders in the Company and its operations. Our capital has increased in the year £74 622, while our Reserve Fund has been raised from £129 990 to £160,000. There is another set of figures which also indicate the great progress made by the Company—I mean those which show the consignments of wool to this country. In the year 1873, we stood sixth in the list of consignees of Australasian wool; in 1875 we were fourth; in 1877, that is at our last annual meeting we stood third; and now we are in the proud position of being first, and that by many thousands of bales. At the end of 1877 the produce we dealt with during the year amounted to £937,210, but for the year ending 31st December, 1878, the value was £1,352,600. Gentlemen, if you remember that we are not a very old Company, that we have not been many years in existence, I think you will agree with me that the results which we have achieved are highly satisfactory to the shareholders. (Hear, hear.) They have not been achieved without some feeling of envy on the part of others—our rivals in business—who, perhaps, having formerly received a large proportion of the consignments which are now directed to this Company, do not approve the change, and if ever you hear us evil spoken of, I wish you to enquire the source whence the report comes. (Laughter.) Such rapid progress as this, if it stood alone, without consolidation and care, would be cause for apprehension and alarm, but when achieved without any departure from the soundest and strictest business principles, which have been maintained throughout all our operations, this progress must prove a source of pleasure and congratulation. We do not speculate in lands; we are not the owners of a single acre, except that which is necessary for the conduct of our own business, on which stores and premises can be erected. We might have made money otherwise for you; there were many tempting openings, but we felt that it might be earned, perhaps, at the risk of solid credit. We neither buy nor sell goods on our own account, but simply on commission. The money which we lend is advanced on first-class security, with a wide margin. Our consignments of wool and other produce are likewise all based on security by the bills of lading when shipped, and these, on arrival of the shipments in this country, are exchanged for warrants.—Throughout the whole of our business we adopt the principle of no money without complete security, so that I cannot conceive, if these principles be careful maintained, how we can lose money. And while we are thus successful in the conduct of our operations, as I once before told you, it is also a matter of congratulation and pleasure to us to know that the Company's operations are conducted without injury to our constituents; that they are based on such principles and are attended with such results as to afford the greatest satisfaction to an ever increasing circle of clients. We have been instrumental in reducing the heavy charges to which the Colonial wool grower in former days was subject. We have a scale of charges in the Colony, and for the conduct of his business in this country, which, in comparison with that of former days, is very moderate indeed. We have also been instrumental in reducing very much the rate of interest on mortgages in the Colonies. Before this Company was established Colonial rates of interest on mortgages were very high, and an immense benefit on the colonists of mortgages were very high, and an immense benefit on the colonists of New Zealand has been conferred through you by supplying them with New Zealand has been conferred through you by supplying them with money at a more moderate rate of interest. I shall not say anything more on the general subject, but I will now direct your attention to one particular part of the report, which deserves, I think, a little special notice. These results which I have pointed out have not been attained without a great deal of thought on the part of the Directors and the Managers of this Institution, nor without an immense amount of labor performed by a numerous and highly efficient staff. Gentlemen, we wish to make employment on the staff of this Company alike attractive and pleasant, to attract to it and keep in it the best men whom we can get. We think, therefore, that the time has come when we ought to establish a Guarantee and Provident Fund to which the officers of the Company will contribute, and out of which, in the course of time, a fund will be provided for pensions, and also as a guarantee for fidelity. The institution of this fund we consider should be commenced by a donation from the Shareholders, which we feel assured you will make, and in doing so you will regard it as a wise provision to make the service more popular, and to retain in it those officers who are really worth having. With these observations, I beg to submit the following resolutions

1st. "That the Report and Statement of Accounts be adopted and circulated among the proprietors."

2nd. "That a dividend at the rate of 10 per cent. per annum for the half-year ended 31st December, 1878, with a bonus of 5 per cent. for the year, be now declared, which, with the interim dividend at the rate of 10 per cent. paid in July, 1878, will make a distribution at the rate of 15 per cent. per annum for that year; that £20,000 be added to the Reserve Fund, and that the balance of profit, amounting to £3,624 4s. 2d., be carried forward."

3rd. "That the premium on 40,000 Shares, fourth issue, at the rate of ten shillings per share, amounting to £20,000, be added to the Reserve Fund, thereby raising it to £160,000."

4th. "That a Guarantee and Provident Fund be established on behalf of the officers of this Company, and that towards its formation the sum of £5,000 be set apart out of profits, and placed at the disposal of the Directors for the purpose."

Mr. Mundella, M. P.: I simply rise to second the Resolutions which have been moved by Mr. Russell.

Mr. Newman suggested that the Directors should not draw a hard and fast line at 15 per cent. but pay an increased dividend. (Hear, hear.)

THE JERSEY COWS.

[There has been much discussion in times past upon the relative value of the Jersey breed of dairy stock as compared with the larger breeds, taking into consideration their value for beef when they are too old for the dairy.

We have before us a letter from H. G. Abbott, Esq., of Kennebec County, Maine, addressed to the *New England Farmer* last spring, upon the subject which we think is of importance for our dairymen to know, as the figures here made by Mr. Abbott settles the question in favor of the Jerseys quite satisfactorily, and by the dollars and cents, without a reference to the great superiority of the milk, cream and butter, besides the extra price of the butter, and the quality excelled by these we think is 25 per cent.—ED. F.]

Mr Abbott says:—

Much has been said in regard to the Jersey cow, as being too small for beef after becoming too old for milk. Now, let us look at the figures in that matter and see what the real facts are in this case. The majority of farmers, in looking at a Jersey cow, will say—too small for all purposes for us farmers; we want something that will make oxen, and beef, and when a cow is too old to milk, we want something that will make good beef and a lot of it; we want none of your "deer" meat. I think this is a mistaken idea that farmers have fallen into, without looking into the question at all.—Now for the figures—an average Jersey cow will, in one year, make 250 pounds of nice, yellow butter, worth now in the market twenty-five cents a pound, amounting in one year to $62.50, and raise a calf on the skim milk, worth, with us, $15, making the sum of $77.50, without making any charge for the skim milk. After the calf is weaned. Now let us take the average native or common cow and see what she will do. From the best authority I can find, together with my own experience, she will, in one year, make 140 pounds of butter, worth now in our markets twenty-two cents a pound, amounting to the sum of $33, and a calf, fed on skim milk, worth $5, making in all $38. Now, take $38 from $77.50, the amount of the product of the Jersey, and you have $44.50 in favor of the little Jersey cow. Now, multiply $44.50 by ten, the number of years we usually milk a cow before turning her into beef, and you have the nice little sum of $445 in favor of the latter, when you get ready to make beef of her. Now, it does not make much difference about the price of beef in so small amount as there would be between the large cow and small one, compared with large difference in the amount of butter, and in addition to the above, some credit must be given to the Jersey, for a less amount of food consumed, which is about 2½ per cent. of the live weight on the difference of the two cows.

In looking the matter over, I cannot but come to the conclusion that, for dairying purposes, the Jersey cow is the cow for the farmers. There is a great amount of labor in the manufacture of butter, both in doors and out, and a cow that will make only 150 pounds of butter a year is not worth keeping; for butter at twenty-five cents a pound, and hay at twelve dollars a ton, will not more than pay her keeping, so that there is a total loss of the labor employed, whereas a cow that will make 250 pounds a year will afford a good profit over the keep of the cow.

[We think the facts here stated by Mr. Abbott clear and decisive in favor of the little Jersey.—ED. F.]

STOCK WRITINGS, KNOWLEDGE.

There is a growing interest among all Stockraisers to talk, write and confer with one another about Stock, and to communicate this knowledge and it is from these sources of communication that Stock raising is now progressing in all the States of the Union, and we think we in California can boast of as intelligent Stock Raisers and as fine stock in horses, cattle, sheep and swine as any State in the Union, though the numbers owned here by our Stock men may not be as great.

We clip the following articles from our excellent Exchange the *National Live Stock Journal of Chicago* as worthy of note:

PURE-BLOOD—PURE-BLOOD THOROUGHBRED.

Again and again we have been called upon to answer the question: "What is the difference, if any, between full blood, pure-blood, and thoroughbred, as applied to live stock?" and as often we have answered, there is really no difference. All these terms are used to denote purity of blood. When applied to horses, the term thoroughbred, by common consent, has come to be recognized as the name of a particular breed—the English race-horse—and when we speak of a thoroughbred horse, it is understood that we refer to a purely-bred animal of that particular breed. There are, perhaps, pure-bred, or well-bred, or full-blood Clydesdales, English draft horses, Percheron-Normans, Shetland Ponies, etc., but we never speak of them as thoroughbreds. In speaking of the various breeds of cattle we may say, a full-blood Short-horn, a purely-bred Shorthorn, or a thorough Short-horn, all meaning one and the same thing; and so of all the other breeds of cattle, sheep and swine. In some localities an arbitrary distinction has been recognized between thoroughbreds and full bloods. Thus, an animal showing a given number of crosses of a certain breed is classed as a full-blood, although it could not be recognized as a thoroughbred. But such distinctions are merely local, and are not generally recognized by breeders.

AUSTRALIA.

AGRICULTURAL NEWSPAPERS.

Editors, strangers and citizens from the Eastern, the Middle, or Southern States, also Editors over our own Coast who may desire to see or refer to their own Journals, or any Agricultural or Horticultural Journals, will always find them on file in the FARMER READING ROOM, to which they are always bid welcome.

ONE HUNDRED of the leading Journals and Magazines of this class, the best in the United States, are in this collection, giving to those in search of Agricultural knowledge the best Information on this Coast.

A Large Library also, for *General Reference*.

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We have full files of Australian Papers from all parts of Australia, showing the great interest they take in this Country, one thing of great moment, is the "Steamship Line," it is of vital importance to the welfare of the Colonies, and so vastly important to the Pacific Coast in the great trade that can be built up between the Colonies and California, if our Merchants do their duty.

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The Sydney Morning Herald, Sydney.
" *Town and Country*, Sporting Paper, Sydney
" *Australasian*, Melbourne.
" *Weekly Times*, "
" *Adelaide Observer*, Adelaide.
" *Queenslander*, Brisbane, Queensland.
" *Week*, " "
" *Capricornian*, Buckhampton, Queensland
" *Port Dennison Times*, Port Dennison.
" *Wide Bay and Burnett News*, Queensland.
" *Darling Downs Gazette*, Toowoomba, "

Many of these Journals are of the largest size, from 20 to 38 pages, several, splendidly illustrated with views of the Public Buildings, Landscapes, Public Men, Stock, etc.

CONTRIBUTIONS FROM QUEENSLAND.

We Invite all our readers and our citizens especially who are interested in our MANUFACTURES and the MECHANIC ARTS, and our AGRICULTURE, to visit the FARMER Office and see the RICH PRODUCTS brought from QUEENSLAND by the Commissioner, they are now on Exhibition open to all, in the READING ROOM and MUSEUM of the CALIFORNIA FARMER OFFICE.

A Pamphlet Free.

THE MURRAY HILL PUBLISHING COMPANY, 129 East 28th St., New York City, will send by mail a large pamphlet entitled EVIDENCES OF DOCTOR FOOTE'S SUCCESS as a writer and practitioner of medicine, and a catalogue of all their publications—reading enough for several weeks—if you will but enclose one letter stamp to their address.

RHYMES OF SCIENCE.—We have a pleasing work finely Illustrated sent to us by the Industrial Publishing Co., of New York—which has much of true interest explained by poesy and by art—shall give from its pages soon.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have GRAIN to sell and to keep.

HOW WE SAVED THE OLD FARM.

CHAPTER III.

The next morning the boys were up in good time, and after starting the fire and filling the tea-kettle, were off to the barn, where they finished all the morning chores before breakfast, and were ready directly afterward to give the cattle hay enough to last till night, and harness up the old horse into the old covered wagon, ready for a start as soon as mother and I could clear away the breakfast dishes and get ourselves ready. Luckily, although it was midwinter, it was not very cold, and the ground was nearly bare of snow; so the ride of five miles did not promise to be a very unpleasant one, nor a long one, although old Charley was more famous for his performance at the plow and the team-wagon than upon the road. On, past many small farms, where their owners struggled manfully to wrest a living from rocky soils or sandy hills; with tools fifty years behind the times; with cattle that were worth scarcely more in the spring than the hay that they ate during the winter would have sold for in the fall; with teams that would scarcely draw their own provender for a day's journey; by larger farms, where the owners derived larger incomes from the sale of wood and timber and charcoal; through woods where the ring of the axe could be heard; by the very place where my father had met his death; by the Corners where a horse and a yoke of oxen were waiting for the new shoes that the blacksmith was hammering upon, throwing bright sparks out of doors even as we rode by—up hill and down hill, we rode on.

Let me tell you more about the place we are going to visit and the people we shall see there, rather than of our ride; for you can find such drives anywhere in New England, but not such people as the squire and Aunt Matilda very often, nor such farms as theirs, I fear. The place was a large farm, with a comfortable brick-house standing a little back from the street, and hidden from passers by when in direct front view, or very near, by a thick grove of evergreens, elms, maples, larches, and other trees that I knew not by name then. They were planted out, as I have since learned, by one who was skilled in forest trees, so that the trees stood at irregular distances and apparently in disorder, as they would have grown in the woods from Nature's planting; and yet it was art of the most artistic sort which had dictated the spot for every one. Not a tree grew there, even the white-birch which showed its chalky trunk and pale green leaves among more pretentious trees, but had its effect upon the surrounding trees, and upon the whole landscape, carefully calculated by a master-mind before it was placed where it stood. And yet the man who had done this was said to have been a half-witted sort of a chap, who was good for nothing else; but he had studied the woods, and could place these trees and calculate their effect in masses as easily as a florist would arrange a bouquet. Not one tree overshadowed another, nor seemed out of place—no sameness, but the variety which we see in the wild wood. If it is "the hight of art to conceal art," then this was it. By the side of this grove or plantation of forest trees, a winding road lead from the highway up to the house, and at a certain point, where we emerged from a wood almost as heavy and dark as the thickest pine forest, we came out in full view of the mansion directly in front of us, a few stately elms standing before it upon the lawn, back of it the extensive orchards, and to our left the barns, painted and clapboarded, with ventilated cupola and a vane, and with large sheds enclosing the yards on north and east, which, in their turn, were sheltered from the winds, as also from sight, excepting from the south, by hedges of evergreens. Perhaps it was because everything was neat and tidy about the place, and because the squire's horses and cattle were always smooth and fat and well-cared for, and his tools of the best patterns and in good repair, and well-painted and housed when not in use, that the opinion was so generally entertained that the squire's farm cost more money to carry on than all it brought in. But if the people had known just how much the farm contributed toward a real expensive living; if they could have counted the cost of all the fruit of all sorts, the milk and cream and butter, the eggs and poultry, the vegetables and meat which so bountifully supplied the tables there; and the horses and carriages always ready for use, as I have since seen people count them who have lived in similar style in cities or villages, I think that they might have changed their opinion a little.

But here we are at the door, and the squire comes out to help us out of the wagon, and Aunt Matilda waits at the door to welcome us in, and while the boys, Cousin Henry leading the way, go to the stable to put the horse in, we go into the warm sitting-room, and mingle our tears again at the memory of that sad scene of but a few days ago. There is a little surprise, scarcely concealed, at so early a visit from us, but mother says she "wanted to talk to the squire a little, by and by, about the business," and at once it seems the most natural thing in the world that she should be there. But nothing is said about the nature of the business until the boys come in after a long inspection of the stables and the stock that were in them. Then mother called and led the way into the squire's own room. This room opened out of the sitting-room, and unless the doors were closed between them, which they were not on this occasion, there was not any appearance of secrecy, but I doubt if my mother would have thought the squire's opinion was worth listening to if it had been given in the family sitting-room. At any rate, it would not have had official weight, as it did in that little room. Perhaps the squire himself would not have been able to think as clearly or speak so much like one "clothed in authority" if he were not in that arm-chair in the little room.

But once fairly seated in there, with Clarence at her right hand, mother told her story plainly enough, telling first of Uncle Robert's plans for us, and then of her dislike at the idea of leaving the old farm, and of Clarence's idea and of her doubts and fears in regard to the possibility of his succeeding in making a living and paying interest and taxes, and all that, if he attempted it. Clarence said nothing, but I could see from where I sat how carefully he watched the squire's countenance as the story went on, and I almost thought I could hear his heart beat when the squire glanced at him in astonishment as mother told of his daring to think that he could manage the farm. After my mother had finished, the squire waited a few minutes as if in thought, and I am sure my heart beat loudly, for I felt that in the decision which we should get lay our fate. It rested with this man to say whether we were to remain in our home, which had so long been a happy one to me, or whether we should be banished to Blackington, with all its horrors, known or imaginary. I know now that Blackington is quite a pleasant village when one is in the pleasant part of it, but I had only rode through the streets where shops and factories and tenement-houses most abounded.

"Well, Mrs. Reynolds," said the squire at last—it was another official notion to call her by her title and surname; in the sitting-room he would have called her "Helen." I could not help noticing this in the midst of any anxiety, and it made his words seem to have more weight.—"I do not like the idea of your going to Blackington, anyway. It is not a very good place to bring up the children, I daresay, though under your excellent care and instruction I have no doubt they would turn out well even among greater temptations than they would meet there; but the boys would have their trades all to learn if they went there to work in shop or factory, and would not get much wages at first, nor would you like to board such fellows as work in those shops, though there are some fine young men among them. But if you kept a boarding-house, you must, of necessity, take in some that you would not like to associate with, or have Alice know. But on the farm you are at home; the boys have their trades, the noblest in the world,—the trade of growing food for all mankind, Mrs. Reynolds—almost learned, or, at least, well underway; and although young, they are willing and smart, and I would advise letting them try for a year or two anyway. They may possibly make some blunders, and it is possible that you may fall a little behind the first year or two, unless they work very hard and very steadily, and are very lucky; but they will be growing older and wiser every year, and I feel sure they will succeed finally. If you do not meet your interest every year, I shall not be hard upon you, and could even help you to a little more money if it was needed and I thought you were using it wisely. The farm would stand a much heavier mortgage than I have on it. But I hope that, at the worst, you would not fall behind more than your interest, and a lucky year after the boys get a little older would make that right again. If my advice will do you any good, I tell you I think you had better take this risk than to sell and move, which would be a greater risk, and I will look after Master Clarence a little and give him my advice about anything that he needs it on. If you only had a little more capital, to get better stock and tools, I am sure that the farm would pay well."

And with a sigh, as I thought, at the unfortunate condition of those who had not the better stock and tools, the squire arose, as if he had no more to say. My mother also arose, but, before passing out into the sitting-room again, she replied:—

"More capital, to buy stock and tools, is what I have not got, squire, and I do not mean to put any heavier mortgage on the farm to get it, either. If the boys cannot get along with such as their father had there, and left there, they must earn it for themselves, or they may give it up entirely."

And Clarence added: "I can get along with what is there until I am able to buy better, and I hope, by and by, to be able to buy Jersey cows and mowing-machines and all those things for myself."

So the matter was settled, and we were to stay upon the farm. Those only who have felt the dread of losing a dearly-loved home can realize how the weight was lifted off my heart, and how rapidly the lump in my throat which had so oppressed me for days past, when I had thought of what might be, melted away. I could almost have sung in spite of the black garments which I wore. And shortly after dinner came, we ate, I at least, and I thought the others, with a better appetite than while we were in doubt. And then the squire and Clarence walked out together, in which walk I think Clarence received many hints in regard to the management of the farm, and also was led to advance quite freely his ideas in regard thereto. And Ned and Henry made a tour of the ground and farm buildings again, while mother and I sat and talked with Aunt Matilda and my cousins. There were two girls—Matilda, a beauty of eighteen, and Mary, a little more than a year younger. Henry was but a little younger than Clarence, but in his ways nearer a mate for Ned. Then there was an elder son, Thomas, who was studying law in Boston, and whom I had not seen for many years, though I had heard much praise of him from Aunt Matilda and the girls, who looked upon him as one who was destined for greater things even than being a country squire. I could scarcely conceive of any higher position, but felt that there might be such a thing. And before night we went home, and I felt as if that home was never so precious as now, when we had seemed so near losing it.

[CONTINUED IN OUR NEXT.]

TYPHOID FEVER AMONG HOGS.

WHAT IS THOUGHT OF IT IN ENGLAND—ISOLATION DEMANDED FROM HEALTHY HOGS.

I am pleased to observe that the Privy Council have exercised their powers under the Contagious Diseases (Animals) Act, of dealing with this fatal disease. It always appeared to me an omission that this disease was not specially dealt with in the Act, as there are few diseases of animals which are more generally fatal in their effects, and which can be more easily checked by measures of slaughter and isolation. This disease was fully described some years ago in the Royal Agricultural *Journal*, where it was shown to resemble greatly the disease of the same name in the human subject, and to be communicated in the same manner. The well known dirty habits of pigs, of grovelling in their own ordure, makes the spread of the disease when once introduced upon the premises, to all the pigs, kept a matter of great probability. The majority of the animals affected, after lingering one or more weeks, die, and the few which survive are so much reduced as to be almost worthless.

The temptation has therefore hitherto been great to the owners of pigs where the disease has become introduced, to dispose of pigs that have been in contact with those diseased, and such animals, disposed of in the market by unprincipled dealers, have been the means of introducing the disease to other farms. Although the disease is not now prevalent, as far as I am aware, in the Midland Counties, there have been repeated instances of heavy losses there, plainly traceable to the purchase of an infected pig. The flesh of a pig suffering from the disease even at an early stage, is probably dangerous for human consumption. I therefore trust that the order will be rigorously carried out, and be not merely temporary, but remain in force, to be applied wherever this disease appears. From the report of the proceedings of the Central Chamber of Agriculture, at their meeting on the 11th inst., it appears that the disease is now greatly prevalent in the eastern and south-eastern counties, and that the Privy Council have been memorialized to take action. The prompt action in which the memorial has been complied with, gives us reason to hope that the Privy Council will use energetically the large powers for the repression of disease, whether of home or foreign origin, which were confided to them by recent legislation.—*London Agricultural Gazette.*

[This fever can be stayed and the disease removed by administering "Clarke's Eucalyptus Pills" pulverized and mixed with their scalded meal—a thorough purgative of the fever is the result—a trial on one diseased animal will soon test its efficacy.—ED. F.]

Uses for Horse Chestnuts.

The common horse chestnut is capable of furnishing several useful products which are regularly manufactured in several localities in Europe. The seeds contain over 36 per cent. of starch, which is easily obtained in the same manner as that made from cereals. Two hundred and forty to two hundred and fifty pounds of the seeds yield 100 lbs. of dry starch. Paste made from the latter is extremely adhesive, and is not attacked by insects; it is, therefore, particularly well adapted for the purpose of bookbinders.

This starch is also used for producing certain kinds of distilled liquors. For this purpose, 50 lbs. of the starch are heated for six hours with 2 pounds of sulphuric acid and 150 pounds of water, whereby the starch is converted into sugar; the acid is then naturalized by lime, the liquid decanted, mixed with yeast and fermented, and finally distilled. One hundred lbs. of starch yield 24 lbs. of 55 per cent. spirit.—*New Remedies, from Die Natur.*

[We suggest to those who live where our native *Buckeye* grows to make some experimental trial of it for *starch*, we have no doubt it can be made profitable.—ED. F.]

Why does the eye resemble a school master in the act of flogging? It has a pupil under the lash.

Prentice says that man was the chief consideration at creation. Woman was only "a side issue."

MARBLEHEAD MAMMOTH

CABBAGE.

There being a good deal of seed in the market raised from very poor stock, which must fail to give satisfaction, having been the original introducer of the Giant Cabbage, which when raised from the right strain of seed under proper cultivation, has been grown to weigh *over 60 pounds* to a single plant, and sixty tons to the acre, I now offer seed to the public that has been raised by myself, with peculiar care all of it from extra large, extra solid heads. The Marblehead Mammoth is not only the largest, but is one of the most crisp and sweetest of all varieties of the cabbage family, as will be seen by extracts of letters to be found in my Seed Catalogue, where my customers state that they have raised cabbages from my seed that have weighed 40, 45 and 50 pounds each. Full instructions for cultivation sent with every parcel of seed. Seed per pound, 25 00; per ounce, 50 cts; per half ounce, 25 cts. My large Seed Catalogue sent FREE to all applicants

49:4 tf JAMES J. H. GREGORY, Marblehead, Mass.

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49:3

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Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March:

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory-filled salt; therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $13; for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams; and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"

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SHEEP DIP!

Manufactured by

S. H KENNEDY, Omaha, Nebraska, eradicates the pest. This is the only dip that adds to the staple and value of the wool. It will cure the most obstinate cases—diluted 150 parts hot water, and will not cost A CENT A HEAD each dipping. Packed in ONE and FIVE GALLON TIN CANS.

Dip Scabby Sheep in the Early Spring and Summer as that is the time to eradicate the disease from the skin. Fall and Winter dipping will not cure the Scab, it only holds the disease in check, in the Fall and Winter months, the insect that causes the Scab is forcing his way so deep into the true skin that he cannot be reached or destroyed, while in the early Spring the insect comes to the surface of the skin and is easily eradicated by one or two dippings in my Sheep Dip.

Price per Gallon:

TOBACCO DIP. ... $2 75
HEMLOCK DIP ... 2 25
NON-POISONOUS DIP ... 2 25

BOOK SENT FREE TO SHEEP GROWERS,

Address,

S. H. KENNEDY,
OMAHA, NEBRASKA.

Kennard & Forsyth,
Wholesale Druggists and Gen'l Agents,
OMAHA, NEB.

J. McCRAKEN & CO.,
PORTLAND, OREGON.

JAMES MOORE & CO.,
SAN FRANCISCO.

Agents who Sell at Manufacturer's Prices.

49:1

THE RANDALL

Pulverizing Harrow.

UNEQUALLED FOR CROSS PLOWING

Over 10,000 in Use.

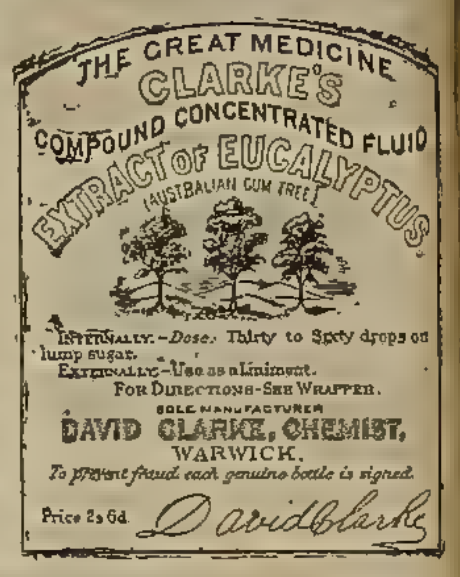
Local agents wanted. Descriptive circulars and price list free on application.

Address

Griffith & Burke,
Yolo, Yolo County, Cal.

49:2

The Great Medicine!!



We have appointed for the sale of this Medicine advertised our columns the following

AGENTS:

A. M. COLE,
APOTHECARY AND DRUGGIST,
GEN'L AGENT FOR STATE OF NEVADA.

JUSTIN GATES & CO.,
APOTHECARY AND DRUGGIST,
AGENTS FOR SACRAMENTO COUNTY

H. BOWMAN,
APOTHECARY AND DRUGGIST,
AGENT FOR OAKLAND.

RHODES & LEWIS,
APOTHECARY AND DRUGGISTS,
AGENT FOR SAN JOSE.

M. J. DOLYE & CO.,
POST OFFICE,
AGENTS FOR MENLO PARK.

J. W. JONES,
DRUGGIST,
AGENT FOR BENECIA.

DR. E. S. HOLDEN,
DRUGGIST,
AGENT FOR STOCKTON.

HODGE, DAVIS & CO.,
DRUGGISTS,
AGENTS FOR PORTLAND, OREGON.

DR. D. L. MORSE,
DRUGGIST,
SAN MATEO.

DR. L. H. CUTLER,
DRUGGIST,
LIVERMORE.

JOHN WOLFE,
DRUGGIST,
AGENT FOR SAN RAFAEL.

GODBE, PITTS & CO.,
DRUGGISTS,
SALT LAKE CITY, UTAH.

E. ELLIOT,
SANTA CRUZ,
TRAVELING AGENT.

J. WIDNEY,
MERCHANT,
SANTA CLARA.

The Remarkable Cures which have been effected by the Wonderful Remedials, known as CLARKE'S EUCALYPTUS REMEDIES from Australia, have, and are exciting a great influence among all those who have long been sufferers by those terrible sources of suffering, RHEUMATISM, NEURALGIA, DYSPEPSIA, and FEVER AND AGUE.

These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.

Be sure you ask your Apothecary for the true Medicine, DAVID CLARKE'S EUCALYPTUS PREPARATIONS The only Genuine article.

WARREN & CO.,

SOLE AGENTS FOR THE UNITED STATES.

Remitting Money.

We desire those who Remit us Money, to send it either in Checks on our *Banks here*, or by Post Office Order, or Greenbacks.

We desire this *specially* of *Newspaper Agents*, or others abroad who send *their Checks* on Home Banks—this occasions delay or expense to us in collecting, while it is just as easy for them to adopt the way we point out, and send us Cash Currency. These are our terms.

WARREN & CO., Publishers FARMER.

Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

SOUTHERN CALIFORNIA FRUIT REPORT

Gen. Stoneman, from the Committee on Transportation and Market, desired to report progress and ask further time, to perfect a report worthy of publication. He could not make a speech but would give some facts:

Number of boxes oranges shipped from San Gabriel station last season:

October	20
November	58
December	169
January	1690
February	2852
March	4590
April	3102
May	524

The lesson of these figures was, that the shipments should be distributed more evenly—more in the early months and more quite late. Thus we should find a more even market. Divide your orchards into halves. Pick one half early, but let the oranges on the other half hang late. This, it is true, will injure the next year's crop, but never mind. Let the trees have a rest.

TRANSPORTATION OF PERISHABLE FRUIT

Out of 131,558,970 imported oranges, 32,000,000 perished on the way. From Tahiti, an average of 66 per cent perish before arriving in San Francisco. Fresh grapes imported, 60 per cent rotted, bananas, 22 per cent; pineapples, 30 per cent; limes, 30 per cent; plantains, 32 per cent. For transportation, steamers are the best, for although they are of higher temperature they are most rapid. To send our oranges East we have to contend against cold, not heat. This was a large subject. A Board of Transportation Commissioners is to be organized under the new constitution. Better do nothing more till that is settled. The General said he had corraled another idea—a good article will sell. Don't overload your trees. Instead of propping the trees (as is customary) pick off till the branches will support the weight. The remainder will pay better than the whole crop. He will use no props hereafter.

Outdoor Camellias.

Mr. Groom informs us *(Garden)* that Camellias growing at Linton Park, Maidstone, in an exposed situation, have passed so far through the winter unprotected without apparently sustaining the least injury. The flower buds remain plump and sound, and promise to open freely. The climate of Kent may be considered a very favorable one, but it is nevertheless evident that the camellia might be planted out of doors in many places much more extensively than it is. It is even hardier than the laurustinus, and, therefore, wherever that will succeed, so likewise will the camellia [illegible], provided the soil be such as it requires. Good loam, road sand, well decayed cow manure, or leaf mould suit it admirably; a mulching of half rotted leaves or manure during hot weather will also greatly benefit it.

A Monster Pear Tree.

A correspondent writing to the *Journal of Forestry* gives the following description of a giant and very productive pear tree growing on the side of the turnpike road between Worcester and Tenbury, quite close to the rural village of Eardiston. The tree, which is the Oldfield variety, a perry pear, is, he states, in fine health and still growing and bearing freely, with no symptoms of decay. Its dimensions are as follows:—Height, 56 feet; girth of stem at ground level, 14 feet; girth at 5 feet up, 12 feet; height of stem to first large branch, 11 feet; diameter of spread of branches, 62 feet, giving a circumference of head of branches of about 182 feet. In a good fruit season this tree has been known to produce a crop of pears sufficient to make three hogsheads of excellent perry. It is a small pear, and the number of such a crop could only be guessed at, as no Worcestershire man would ever attempt the serious task of enumerating them. He further states that many other grand old specimens of the Barland, Huffcap, and other old varieties of perry pears are to be found in the orchards or about the homesteads of this district, some of which if measured might be found to exceed in size even this grand "monarch" of fruit trees.

A Reminiscence of the Tulip Mania.

At the end of last December, says the *Deutsche Gartner-Zeitung*, two houses in the main street of Hoorn, about twenty miles from Amsterdam, were offered for sale for demolition. These houses were purchased during the tulip trade which flourished from 1634 to 1637 with the proceeds of three tulip bulbs. The record of this remarkable purchase was preserved in a stone inserted in the gable of one of the houses.

A Magnificent Estate.

A large and very fine estate of some THREE HUNDRED ACRES with a fine Orchard of the very choicest fruit; a large Vineyard, very productive; a large number of Fig Trees, great bearers.

ORANGE, LEMON, OLIVE, and choice EXOTIC FRUITS of all kind.

This estate is located in one of the "Beauty Spots" of our State, a retired, healthy and delightful spot.

The estate will be sold at a great bargain by reason of declining health of the present owner.

Particulars can be had from EDITOR FARMER.

First Eve angelical Alliance: In the garden of Salem.

VICK'S ILLUSTRATED MONTHLY MAGAZINE

Each Number contains THIRTY-TWO PAGES of reading, many fine Wood Cut Illustrations, and one COLORED PLATE. A beautiful Garden Magazine, printed on elegant paper, and full of information. In English and German. Price, $1.25 a year; Five copies $5.00.

Vick's Flower and Vegetable Garden, 50 cents in paper covers; in elegant cloth covers $1.00.

Vick's Catalogue,—300 Illustrations, only 2 cents.

Address, JAMES VICK, Rochester, N. Y.

Felix Gillet's Nursery

NEVADA CITY, CAL.

I offer for sale trees of the following varieties of fruit introduced by me in California, and most all on in full bearing on my grounds, viz:

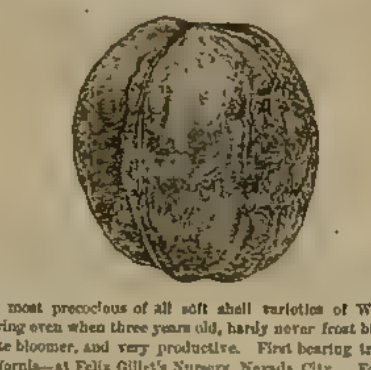
PRŒPARTURIENS WALNUT,

The most precocious of all soft shell varieties of Walnut bearing even when three years old, hardly never frost bitten, a late bloomer, and very productive. First bearing tree in California—at Felix Gillet's Nursery, Nevada City. Fourth crop, 1878.

One Year and Three Year Old Trees for Sale,

One Year Old Trees sent by Mail, at Catalogue Prices, in two feet long packages, Roots 12 inches, Stalk 12 inches.

LATE OR SEROTINA WALNUT,
AFTER SAINT JOHN WALNUT,
MARRON DE LYON CHESTNUT,
MARRON COMBALE CHESTNUT,
ITALIAN,
SPANISH, AND
ENGLISH FILBERTS,
BLACK MULBERRY OF SPAIN.
MEDLAR *(Montetreuse,)*



The largest of all Medlars, standard trees, budded on the White Thorn, five to six feet feet high and ready to bear

Also, over one hundred varieties of Fruit Trees of all kinds, many of them introduced in California by the undersigned.

Forty varieties of Strawberries, (French, English and American), with full descriptive Catalogue of 17 varieties carefully selected from 61 varieties tried on my place these last nine years.

Send for Descriptive Catalogue and Price List.

FELIX GILLET, Proprietor.

SPLENDID

WEEPING TREES.

It may not be known generally that by the aid of science, all the finest kinds of our DECIDUOUS TREES, used for Ornamenting Grounds can now be had grown in the beautiful pendant form, graceful as the Weeping Willow.

The following, of very extra size and form, can now be had for planting this Autumn.

The WEEPING BEECH, MAPLE, BIRCH, ASH, ELM, POPLAR and LINDEN these are the most beautiful Ornamental Trees known, adding grace and beauty to the surroundings of every home and increasing the value of every estate where they are planted.

The plates and drawing, showing these trees in their growing condition, can be seen and these trees secured on applying to

Warren & Co.,
320 CLAY STREET, S. F.

SANTA CLARA VALLEY

Nurseries.

ESTABLISHED 1853.

Trees--Plants--Shrubs.

I OFFER FOR SALE THIS SEASON A LARGE AND well assorted stock of Fruit Trees, Shade Trees, Evergreens, and Shrubs; also, Palms, Camellias, Azaleas, Japan Persimmons, Roses and Greenhouse Plants in great variety.

PEAR SEEDLINGS, fine	$15.00 per 1000
ROSES, in variety, fine	15.00 per 100
JAPAN PERSIMMON, 5 varieties	25.00 " "
MAGNOLIA, grandiflora, 6x10 in.	18.00 " "
LAURISTINUS, 6x10 in	10.00 " "
CHINESE MAGNOLIAS, 2 ft.	8.00 per doz.

Special inducements to large purchasers.

Catalogues free on application.

BERNARD S. FOX, Proprietor,
San Jose, Cal.

Thomas Meherin, Agent,
516 Battery Street,
SAN FRANCISCO.

45:24 3m

VEGETABLE AND FLOWER SEEDS
WE EVERYTHING FOR GARDEN
SEEDS PLANTS
Descriptive Catalogue of 176 pages sent Free
PETER HENDERSON & CO.
35 Cortlandt St., New York.
FLOWER AND FRUIT PLANTS

49:1

BOOKS FOR FARMERS!

BOOKS FOR FARMERS' LIBRARIES
AGRICULTURE,
HORTICULTURE,
FLORICULTURE,
STOCK RAISING,
BEE RAISING,
POULTRY GROWING.

With many valuable and interesting works on all branches of each of these important industries.

For sale at lowest rates at
FARMER OFFICE,
320 CLAY STREET.

THE DINGEE & CONARD CO'S
BEAUTIFUL EVER-BLOOMING
ROSES

We deliver STRONG POT ROSES for Winter Bloom and Fall Planting, *safely by mail*, at all post-offices. Five Splendid Varieties, best colors, all labeled, for $1; 14 for $2; 19 for $3; 26 for $4; 35 for $5; 75 for $10; 100 for $13. Send for our **New Guide to Rose Culture**, and choose from over 500 Finest Sorts. Our Great Specialty is growing and distributing Roses.
THE DINGEE & CONARD CO.,
Rose-Growers, WEST GROVE, CHESTER Co., Pa.

45:46 6t

Choice Grape Cuttings.

Those who desire to have the choicest quality of the famed

"WHITE CORINTH GRAPE,"

AND

"THE ZANTE CURRANT,"

and a few other varieties of rare kinds of grapes—can secure a collection by sending their orders to the

FARMER OFFICE, 320 Clay Street.

N. B.—Only a small lot for sale.

BEAUTIFUL FLOWERS
A GREEN-HOUSE AT YOUR DOOR

We will send free by mail, and guarantee their safe arrival in Good Condition, our choice

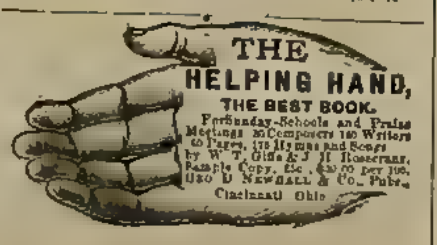
12	ROSES	12 sorts,	$1
20	VERBENAS	20 "	1
15	Basket or Bedding Plants	15 "	1
10	GERANIUMS	10 "	1
10	CARNATIONS	10 "	1
10	Tuberoses, all Pearl, Large and double		1
12	Gladioli, all Flowering Bulbs		1
2	Camellia Japonicas and 2 Azaleas		1

Hundreds of others— NEW AND RARE!
GERANIUMS and many
for your choice of varieties, see our 80-page Catalogue, free to all. We have 60 an immense stock of Fruit and Ornamental Trees, Evergreens, Small Trees, Shrubs, etc. Catalogue with Colored Plate, 10c.

6	Hardy Flowering Shrubs	6 sorts,	$1
10	Currant Bushes	3 "	1
25	Raspberry Plants	5 "	1
80	Strawberry Plants	4 "	1
8	Grape Vines	8 "	1
50	Sweet Chestnut or 50 Catalpa Trees		1

20th Year 16 Greenhouses 400 Acres
STORRS, HARRISON & CO., Painesville, Ohio

49:1 4t


THE
HELPING HAND,
THE BEST BOOK.
Purchasing Schools and Prize Meetings 35 Composers 150 Writers to Pages, 175 Items and Scores by W. T. Giles & J. H. Rosecrans. Sample Copy, 25c., $20.00 per 100. Geo. D. Newhall & Co., Pubs. Cincinnati Ohio

48:2

HEARING RESTORED. Particulars free. VERRY & HARPER, Madison Ind.

My annual Catalogue of Vegetable and Flower Seed for 1879, rich in engravings, will be ready in January, and sent FREE, to all who apply. Customers of last season need not write for it. I offer one of the largest collections of vegetable seed ever sent out by any seed house in America, a large portion of which were grown on my six seed farms. *Printed directions for cultivation on each package.* All seed warranted *to be both fresh and true to name*; so far, that should it prove otherwise, *I will refill the order gratis.* The original introducer of the Hubbard Squash, Phinney's Melon, Marblehead Cabbages, Mexican Corn, and scores of other vegetables, I invite the patronage *of all who are anxious to have their seed directly from the grower, fresh, true, and of the very best strain.* **New Vegetables a specialty.**

48:31 12t JAMES J. H. GREGORY, Marblehead, Mass.

CHOICE

Vegetable and Flower SEEDS

GROWN FOR PRIVATE FAMILIES, OUR MOTTO I

"TEST IS BETTER THAN TALK."

GARDEN MANUAL, full of valuable articles on growing vegetables, useful hints to lovers of flowers, with price list, sent free to all applicants. Address

J. B. ROOT, SEED GROWER,
48:24 ROCKFORD, ILL.

PEARL MILLET
(THE NEW FODDER PLANT.)

Yields 100 tons green — 1½ tons dry per acre.
60c per plat (by mail, postpaid)
$1 00 " quart "
By express, buyer to pay charges, $5 per peck.
Statement of our experiments with it, and instructions for culture, free on application.
PETER HENDERSON & CO.
35 CORTLANDT ST., NEW YORK.

49:2

J OHN SAUL'
Catalogue of New, Rare and Beautiful Plants

Will be ready in February, with a colored plate. Many new and beautiful plants are offered, among Draccenas, Crotons, and other fine foliage plants, with a rich collection of Greenhouse and Hot-house plants; Bedding Plants; new and choice Roses; Dahlias, etc. Well grown and at low prices Free to all my customers, to others 10c. A plain copy free.

JOHN SAUL, Washington, D. C.
49:2 ost

Evergreens & Forest Trees.

AT RETAIL TO FARMERS AND PLANTER AT
WHOLESALE PRICES.
LARGE STOCK, GREATEST VARIETY, CHEAPEST AND BEST
Send Stamp for Price List.
GEORGE PINNEY,
49:1 Sturgeon Bay, Wis.

FRUIT AND ORNAMENTAL # TREES

Large Stock. Low Rates.

STANDARD PEAR TREES A SPECIALTY.

Send stamp for Trade List. AGENTS WANTED.
E. MOODY & SONS, LOCKPORT, N. Y.
NIAGARA NURSERIES. Established 1839. 48:14

FARMS, RANCHES
—AND—
LANDED ESTATES FOR SALE.

Now that we have so many settlers of the better-class coming to our State, those who have

Lands, Ranches, Farms,
—AND—
IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms, and Libraries in the United States.

Advertisers will be wise that consult our columns.

WARREN & CO.,
CALIFORNIA FARMER OFFICE.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the information of their Wants.

U can make money faster at work for us than at anything else. Capital not required, we will start you. $12 per day at home made by the industrious. Men, women, boys and girls wanted everywhere to work for us. Now is the time. Costly outfit and terms free. Address, TRUE & Co., Augusta, Maine. 47:22

25 STYLES OF CARDS, with name in gold, 10 cts. J B BUSTED, Nassau, N. Y. 47 14 1y

PULLMAN HOTEL DINING CARS

THESE CELEBRATED HOTEL CARS ARE NOW

RUN OVER THE

Chicago and Northwestern Railroad

BETWEEN

COUNCIL BLUFFS AND CHICAGO

No other road now runs or has ever run

Pullman Hotel Cars,

PULLMAN DINING CARS,

Or any other form of hotel, dining or restaurant

THROUGH

BETWEEN OMAHA AND CHICAGO.

Do not be deceived by the false representations of the agents of other lines who tell you they have hotel cars on their lines west of Chicago. It is not true. No road west of Chicago has them except

THE CHICAGO AND NORTHWESTERN.

PASSENGERS for Chicago, Niagara Falls, Pittsburg Philadelphia, Montreal, Quebec, New York Boston, or any any point East,

Should Buy their Trans-continental Tickets

— BY THE —

Pullman Hotel Car Line.

Close connections are made at Chicago with the Lake Shore & Michigan Southern, Michigan Central, Baltimore Ohio, Pittsburg, Ft. Wayne & Chicago, Kankakee Line and Pan-Handles routes, for all points EAST and SOUTH-EAST.

This road can give you CHOICE of ALL ROUTES from Chicago to the East. It allows its patrons to select the route they may think best. Determine the route you would like to travel over beyond Chicago, and we will be glad to sell you THROUGH TICKETS by it.

Passengers will find Tickets via this Favorite Route at the ticket office of the Central Pacific Railroad, Sacramento.

Tickets for sale in all the ticket offices of the Central Pacific Railroad.

W. H. STENNETT ..... General Passenger Agent
MARVIN HUGHITT ..... General Manager

H. P. STANWOOD, General Agent,
No 22 New Montgomery Street, San Francisco.
47 11

SPLENDID

Bulbs for Autumn Planting.

Collection of the choicest of BULBOUS ROOTS can be had with descriptions of varieties and plates of flowers.

Now is the time to prepare the ground and plant all BULBOUS and TUBEROUS ROOTS in California.

These GEMS planted now will come into bloom at Christmas and New Years.

Orders for supply can be filled by the large or small quantities at

Warren & Co.,
320 CLAY STREET, S. F.

GARDEN GROUNDS LAID OUT

THOSE WHO WISH THEIR GARDEN GROUNDS RE-newed and replanted, or those who desire to have Grounds Designed and laid out upon scientific principles, and with correct taste and skill, as

Adapted to this Climate,

can have this work done to their satisfaction by calling at this Office, where all the best works on Gardening can be found, and where the various styles, both European and American can be seen. Grounds of any extent, from

ONE THOUSAND ACRES

To small gardens in our City, will be designed and laid out and the Trees, Plants, Shrubs, Vines and Bulbs all supplied of the very best variety and reliable quality, and the work done to complete satisfaction, by calling at the Office of THE CALIFORNIA FARMER.

None but educated men engaged in such work.

Address WARREN & CO.,
FARMER OFFICE

TO INVENTORS AND MECHANICS.

Patents and how to obtain them. Pamphlet of 60 pages free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 31,
48:19 tf *Washington, D. C.*

Good Cure for Hard Times

A PLANTATION OF EARLY PROLIFIC and RELIANCE RASPBERRIES.

100,000 Plants for sale, also 200,000 Cinderella and Continental Strawberry Plants. Millions of other Plants, Trees, etc. Everything new, novel, and rare. Prices low. Send for Descriptive Circular to GIBSON & DENNETT, Nurserymen and Fruit Growers, Woodbury, N J

48:24

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, APRIL 3, 1879.

THE CALIFORNIA FARMER READING ROOM, AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marble Building—Up Stairs.

FARMER HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms. Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, TWO DOLLARS for five lines or less of space in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half these rates. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞ Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

Editor's Chair.

Bills Sent Out.

We would hope that those of our patrons to whom we have sent bills, will kindly remember that a good many *little sums from each* would be of great advantage in times when money is of value.

Home.—Our Poets' corner offers a Gem from "Longfellow" that will be read with great interest. "Little Girlie" and "Twixt Leaf and the Lace," and "New Year's Eve," are also happy poems, "True Courage and Self-Control," by Mrs. Henry Ward Beecher, is worthy the special reading of *all mothers* who control and influence their daughters. "Why Men grow Rich" "Romance of Pearls" "Spare the Children," will all be found sketches of value, "Domestic Recipes" valuable to every good housewife.

Horticulture.—We give a brief sketch from *Southern Horticulturist* from Gen. Stoneman's Address at the late Fruit Fair at San Buenaventura upon the "Orange Crop," the General's report is a valuable one.

"Out-door Camellias," "Monster Pear Tree" and "The Tulip Mania" are valuable items for Horticulture.

Miscellany.—"Emma's Album," should be read carefully by all album owners and album writers—the great mass of young ladies album's especially, are apt to be more or less defiled with foolish, weakly, sentimental trash, instead of that which elevates.

Agriculture.—"How we saved the Old Farm," we continue this week; we are sure our readers will peruse it with interest and commend it to their friends—it is one of the most instructive stories upon *farm interests* ever written, we copy it from the book written by "A Young Man" and published by Loring & Co., Boston.

"Typhoid Fever among the Hogs," our Hog raisers can always keep their Hogs free from this very fatal disease if they will adopt our recommendation and use the remedy we propose.

Our Front Page.—We give a valuable Letter from Paris this week that all should read.

"Gen. Grant our next President."—We invite attention to what the Farmer said of Gen. Grant nearly *a year ago*.

"The New Zealand Loan Co."—We hope all will read our condensed report of that most admirably managed Institution, it would be a good thing if all our Institutions were as ably managed and paid as well.

Agriculture at Massachusetts.—If there is one great leading interest in old Massachusetts (God Bless Her), it is Agriculture, and it is made so by the deep interest given to it by all, from the Governor, Senator, Representatives and all the leading public men, to the merchants, manufacturers and all who have influence, in Massachusetts they believe that Agriculture is the basis of all prosperity.

We have before us just received, the handsome bound Volume of Reports upon this interest so well and carefully compiled by C. L. Flint, Esq., whose life almost has been given to this cause, and whose able Reports, Lectures and published books have made him known and honored world wide.

The present Volume received is over 500 pages and has numerous valuable Essays, which we shall soon give in whole or part.

We return thanks for the work to Mr. Flint.

A Magnificent Estate.

A large and very fine estate of some THREE HUNDRED ACRES with a fine Orchard of the very choicest fruit; a large Vineyard, very productive, a large number of Fig Trees, great bearers.

ORANGE, LEMON, OLIVE, and choice EXOTIC FRUITS of all kind.

This estate is located in one of the "Beauty Spots" of our State, a retired, healthy and delightful spot.

This estate will be sold at a great bargain by reason of ailing health of the present owner.

Particulars can be had from EDITOR FARMER.

THE SEASONS, PROSPECTS, ETC.

Rarely have we had a more gratifying prospect after so many doubts of the rains, and so much of misgiving as to crop prospects; but now we think all doubt has vanished, and there is a general cheerfulness all over the State.

There may be some places where rains have not been so plentiful or where the frosts have nipped some gems, and our Orange growers had fears, but now the recuperating power of Nature has made everything smile and bright hope gives an assurance of goodly crops everywhere.

The sale of Agricultural Implements has been much less this year than usual or was expected or hoped for, but this has resulted from the resolution of our farmers to repair the machinery on hand and thus economize, as the state of trade, credit and finances demanded it.

The Wool Clip is now coming in and promises a fair Clip, but at low prices.

The Fruit Crop will be more abundant than ever, already Strawberries flow into market very freely, and Oranges come abundantly—other Fruits show a great promise.

The Vineyardist is sure of large sales of Wine at home and abroad, the credit of California Wines is rapidly winning *golden* rewards.

The Hop Crop will not be large nor profitable, as this product is now selling at less than cost of raising it.

The Great Crop of our State, our Grain Crop shows most promisingly, and there is no doubt now but that the Crop of 1879 will give us at least 450,000 tuns for export and may swell up to 550,000 tuns.

The Live Stock interest is rapidly improving and brings a fair reward to the raiser.

The Great Vegetable interest, our market gardens are hopeful, the exports of these products over the Railway being very large these and Fruits exported now are a very large interest.

The Honey Trade of this State in 1879 will reach the enormous amount of *one thousand tuns*, here is a *sweet* interest to build up our State.

The increase of Nut trees gives a very large amount now of marketable Nuts so that we have this *home product* to check foreign importations and save our gold for home use.

The whole outlook is a good one for which we all should be very thankful when there is so much to disturb the business and current of public interests—but let all work manfully to do our duty to the State's great interests, and use kindness and forbearance in times of trial and trouble, and soon the sun of joy, hope and prosperity will come upon all, and our State and our people again be on the high road to an enduring prosperity.

Complaint of Dirty Wool.

Wool growers and wool dealers generally have but little conception of the great loss in weight that is made by the dirt that is found in the wool when it undergoes the washing process at the mills, one, two and three washings in suds is required to abstract the dust.

In a visit at the Mission Woolen Mills recently, Mr. Roberts kindly explained the process and the various losses; coarse wool that costs only 9 cents is so dirty that when cleaned it costs 45 cents—while better grades that costs 17½ cents, when cleaned costs only 34 to 38 cents.

Coarse wool from common sheep receives less care, getting more dirt and therefore less in value, the fine wools of high grade of Spanish when cleaned costs 60 cents per pound.

Our sheep raisers, if more care was taken of their sheep, keeping them from scab, burr fields and from dirt would realize a better price for their wool, but but the best sheep pay best.

Farmers and the Constitution.

Farmers, do not make a mistake on this great question.

The New Constitution will work *against all your vital interests*.

Vote solid the great word—NO—and save your farms and your labors.

There may be good things on *Land Monopolies* in it—but all these will be remedied by the *incoming Legislature*—and all needed *amendments* to our Constitution will then be made.

Elect good men to the next Legislature, then all needed reforms can be had—but for the presented New Constitution, every farmer should vote, No! No!! No!!!

For our Boys.

This is an *Appeal Book*, an appeal in behalf of many of our best literary writers, at home and abroad who have contributed to this Volume to make a valuable and interesting book, which has been published and is for sale, the proceeds to be devoted to the Youth's Directory, an Institution built up and sustained by the liberality of our citizens for the friendless youth of our City.

The Book is a most excellent one, edited by A. Dietz, Esq., A. M., and published by A. L. Bancroft & Co., who have it on sale—we hope the work will receive the patronage of all the liberal hearted—it is intrinsically a valuable work.

Hittell's History of San Francisco.

This is a work of 500 pages, giving a history of the Indian Era, Mission Era, Village Era, Golden Era, Golden Era in decline—Silver Era, and generalities of the History of California.

There is an amount of valuable history in this work not found in any other record, and a Book that should be in every library.

The Volume has been prepared with great labor by John S. Hittell, Esq., and is dedicated to the Pioneers—published in handsome style by A. L. Bancroft & Co., and for sale by them, we shall sketch from it soon.

A Free Book of nearly 100 large octavo pages for the sick. Full of valuable notes on Scrofula; Diseases of Women; Aches and Pains; Heart Troubles and a great variety of Chronic Diseases, with evidence that in most cases, these diseases are curable. Sent for one stamp.

Address MURRAY HILL PUB. CO.,
No. 129 E. 28th Street, N. Y.
49:9

GENERAL GRANT.

[REPUBLISHED BY REQUEST FROM THE CALIFORNIA FARMER OF JUNE 13, 1878.]

General Grant, Ex-President of the United States, now travelling in Europe sends a very appropriate Letter in reply to an invitation to him to visit Ohio and take part in the celebration of decorating the graves of the patriot soldiers who fell in defence of our Country in the late war.

General Grant in his present tour of Europe, has received more personal attention and honors from the Crowned Heads of Europe than ever fell to the lot of one man before.

In this most remarkable tour of Gen. Grant we think we see more than meets the eye of a casual observer; Gen. Grant has been and is now in a situation to study well the condition, character, and situation of all the European Nations, and he will return well prepared to act a very important part in the history of our Country in the near coming years.

The present political aspect of our Country tends to a great contention and a strife of parties; Communism with its Hydra head, religious, sectarian and political fires will be kindled, old parties will fade away and new parties will be formed; the old feuds of the North and South are not yet dead as is seen by Congressional feuds upon the Presidential question, and in the great whirlpool of party strife there will be more or less danger to our Country, there will of necessity be needed some *one great mind*, who "Napoleon" like can direct the masses when the storm is at its height, for the day is near when this storm must come and when we shall need a mind cool, calm, firm, and brave enough "to ride upon a whirlwind and to direct the storm," and that Mind, Character and man we think we see in General Grant. He is now preparing himself by that knowledge of the world, which will fit him to act the part he will be called upon to act when he returns to the United States; for we are fully convinced that, as "coming events cast their shadows before" so Gen. Grant is surely destined to act a great and important part in our Country's history in early coming years.

We believe that events are ripening that will so revolutionize our political and social government that by the next Presidential election Gen. Grant will be called to act a very important part for the welfare of our Country, and undoubtedly be once more called to the President Chair.

We append the Letter alluded to above:

Milan, Italy, April 27, 1878.

Maj. Charles D. Miller, Secretary Society of the Soldiers and Sailors of Licking County, Ohio.

Dear Major—Your cordial invitation for me to attend a general reunion of the veterans of Ohio, to be held under the auspices of the Society of the Soldiers and Sailors of Licking County, at Newark, on the 22d of July, is this day received. It always affords me pleasure to meet at the gatherings of the soldiers and sailors who patriotically risked their lives for the preservation of the country, and it would afford me special pleasure to meet with those hailing from my native State. But the Atlantic will be between us at the time of your proposed reunion.

This is the first opportunity of my life to visit Europe, and will likely be my last. There is much here to see which I have not seen, and I desire to remain to partly accomplish the tour which I had marked out for myself. I trust the veterans of Ohio may have a most auspicious reunion on the coming occasion, and that none of them will ever feel a disposition to apologize for the part they took in the late struggle for national existence, nor for the cause for which they fought.

With great respect, your old companion

U. S. Grant.

We have *republished* the above sketch of Gen. Grant on his European tour which appeared in the Farmer nearly *a year ago*, and we believe it was the *first suggestion* made in any Journal for Gen. Grant as a Candidate for the Presidency in 1880.

From the commencement of the remarkable tour of Pres. Grant among the Crowned Heads of Europe, which we watched with a deep interest, we felt convinced that there was in that tour a very remarkable *Providence*, as if fitting and preparing a way for the events which were to follow, and these events are near at hand.

Gen. Grant will soon return to the United States and his reception will be such as to convince all that he has been Providentially fitted to be called once more to the Presidency, and we are sure that he will be welcomed home by such an enthusiastic welcome as was never accorded to a citizen of the United States since the days of Washington, and this reception will be a convincing proof that Gen. Grant will be nominated as the Candidate for President, and being nominated he will most assuredly be elected President of the United States in 1880—to our minds this is as certain as that an election shall take place.

Death of a San Francisco Lady in England.

Died at Tunbridge Wells, England, Mrs. Mary Whitney Stanford, the beloved wife of A. P. Stanford formerly of this City, but recently a resident in England;—Mrs. Stanford's age was 55 years 11 months.

This will be sad news to a very large circle of kindred and friends to whom she was warmly attached, and by whom she was ever loved and honored, her character and inner life was beautiful, gentle, loving and kind; a devoted wife, a loving mother, a noble woman; her loss will be deeply deplored, but her memory will long be cherished.

The husband of Mrs. Stanford was in this City when the sad news reached him by telegraph, Mr. Stanford left for England immediately to bring the body back to New York to be buried in the Family tomb.

Our sympathies are tendered to the afflicted husband and children who are thus suddenly bereft of one so good and noble.

THE GREAT QUESTION NOW.

The great question now is among all classes What shall we do about business? at the present time there is *no business*, and this stagnation is not confined to any one class of business or any one kind of trade—the *blight* is upon all, and it will remain until the now absorbing question The Constitution, is settled.

If any of our citizens will take the time to ride through the length of our leading streets and count the houses and stores now "To Let" they would be almost confounded, they count in *hundreds* and *thousands*, and will increase until landlords shall learn that their own interests are best advanced by liberality towards their tenants.

In our last issue we gave our views of the *New Constitution* and urged our farmers one and all to oppose it, as it was against all the interests of the Farmer, we also find it opposed to the best interests of the Manufacturer and the Mechanic, and in despite of all the hue and cry of the W. P. C.'s they too will find if the New Constitution should be adopted that their labors will be taxed greater than ever before, all the talk about cutting down *salaries of officers*, and other *reforms* is all moonshine.

All the needed reforms in our Constitution can best be made by the *next Legislature*, and the way to secure a Good Constitution will be to reject the New, first, then elect good and true men to the next Legislature, and thus by a wise and careful examination of all the good things in the New Constitution secure all the *good* and reject all that is *bad*, and then we can have a Constitution that will be worthy to live under.

It is one of the strangest things in our political horizon that was ever yet seen, that here in America the "Land of Freedom" our own American citizens seem to have but little to do in *making our laws*, the foreign born, the ignorant, unlettered class who can neither read or write seem to be the dictators of our public meetings, and seem to direct how our laws shall be made.

We attribute the present condition of trade and the general fears of greater troubles to have all been caused by the neglect of that duty which every true American owes to his country in permitting the alien interests to usurp the rights of Americans, and we can never see peace and prosperity until we perform our whole duty to our Country by a faithful and earnest use by every citizen of the sacred right of Ballot; and when this is faithfully used we shall *only* elect good men as Senators and Representatives, and then they will form a Constitution without great defects and the people will accept it, adopt it and say

Amen to it.

RAILROAD AND STEAMSHIP TRAVEL.

Now that the Travelling Season is about to commence we will give some of the *Distances* of the Great Routes over the world, all intermediate distances are furnished in the excellent "Rail Road Guides" furnished by all the routes now travelled.

The vastly increased travel now between the "Australian Colonies" New Zealand and New South Wales and the Pacific Coast makes these reports very important.

	miles.
From Sydney by steamer to San Francisco	7,200
" San Francisco to New York by railroad	3,370
" New York to Southampton, England	3,200
Entire round trip from Sydney to Europe	$13,220
From Sydney to Southampton by steamer	11,000

For European travellers we give some of the noted Ocean Routes.

OCEAN ROUTES.

From New York to Hamburg, per steamer	3,493
" " " Bremen	31,78
" " " Havre	20,28
" " " Brest	29,62
" " " Plymouth	29,68
" " " Bristol	3,010
" " " Banks of New Foundland	0,80
From Boston to Cape Race	8,20
From Philadelphia to New York	2,49

SEA ROUTES.

London to Antwerp	2,10
" " Rotterdam	2,30
" " Hamburg	1,80
Dover to Calais	24
" " Ostend	63
Folkestone to Bologne	30
New Haven to Dieppe	64
Southampton to Havre	120

As these are much travelled and important routes for travelers abroad it will be well for them to note down these facts, and for our Australian friends they will find the route from *Sydney to Europe* via San Francisco by our splendid Mail Steamers, our Central Pacific Railroad and the splendid Pullman Cars to New York and thence by the Cunard Steamers, *the finest* routes for travelers in the world.

STAGNATION IN TRADE.

It is seldom that we are called upon to record such uniform dullness and depression in trade circles as meets us and stares us in the face whenever we take our morning stroll through Battery, Sansome, Bush, Pine, Front and California Streets, extending to Market and other business thoroughfares, where are to be found leading houses in Dry Goods, Groceries, Fancy Goods, Hardware, and even in the Agricultural line where business ought now to be very active and stirring, but no, there seems to be a pall thrown over the face of all business interests—and wherefore? Upon inquiry the answer is universal. It is the *fear* that the proposed new Constitution that is to be presented to the people of this State for their suffrage, May 7th, will be adopted and become the law of the land. Our people seem to be aroused upon this vital subject, and well they may be, for should the instrument receive the vote of the people, it will cause a perfect revolution in our commercial, agricultural and business affairs generally, and call forth such changes in the administration of affairs generally, and call forth such changes in the administration of affairs that will disturb all material interests that effect the general welfare of the people of California.—*Market Review.*

Good books are like good seed, sure to produce good deeds if the soil of the mind is good.

AUSTRALIAN EXPOSITION.

We are informed that arrangements are in contemplation with several of the leading manufacturers in the East of agricultural machinery, to send a well arranged assortment of their manufactures to the Australian Exposition. And that the medium through which these several interests are to be represented, will be a well known gentleman of this city, who has had great experience in every department of agricultural machinery, both as an extensive manufacturer, user, and vendor of the same.

His commercial education, business knowledge, great experience, commanding ability and address as a salesman, fit him in an eminent degree to represent most efficiently and ably the important interests to be confided to his care.

We suggest in this connection that such manufacturers in this city (of whom there ought to be scores, if not hundreds), as contemplate sending samples of their wares to this Exhibition avail themselves of this same medium, by means of which their expenses will be greatly lessened, and their several interests ably represented. The time for opening the Exposition has been extended from August 1st to September 1st, by reason of which ample time is given all to make the necessary preparations and shipments.

Knowing the gentleman who intends going to the Exposition, we can most earnestly recommend all who desire to exhibit there to give their interests under his charge as the best man to represent them carefully.

RECEIVED AT READING ROOMS:

We have from that inexhaustible fountain that sends forth a constant stream of the most valuable agricultural lore, we mean the Book Publishing House of Orange Judd & Co., of New York, a new and very valuable Book named, *Farmers' Implements and Machinery.*

The object of this book is to present to the minds of our farmers in a simple and intelligent manner the great leading principles of mechanical science applied directly to the farmer's every day labors—in fact, when speaking of *implements for the farm;* this book is very fully illustrated by over 300 engravings of almost every farming implement in use, it may be said truly to teach how to use these implements to the best purpose, and to teach "the science of farmers forces" a very capital Book costing but $1.50, this excellent work is compiled by John J. Thomas, Esq., a new edition reviewed and improved.—Orange Judd & Co., are Publishers—for sale by Bookstores generally.

New Flouring Mill.—We have the Pamphlet before us of the "Cosmopolitan Milling Company" giving a full description of the "New Process" by D. Bequette, inventor, it is a new process of milling and a new style of building, also represented in the illustration, like a "Chess Board" for the ground plan, each of the *ten stories* above the ground floor being one square of the chess board narrower than the last—thus making the building as it rises gradually taper to a point, yet the plan and style of the building is excellent, and must become popular.

The Silk Worm.—We have received from the Department of Agriculture at Washington, the special Report on the "Silk Worm" or manual of instruction for the production of Silk, with illustrations of the silk worm in all stages from the egg, onwards the millar-worm in every stage of growth, a valuable work by Charles V. Riley, Esq., Entomologist.

New Music.—One of the sweetest Songs that has been sent out for a long time is one just issued by S. Brainard & Sons, of Cincinnati, Ohio, this piece is entitled the pleasing name of *Brown Eyes close to the Window*, and is illustrated with a Frontispiece of a sweet young maiden peering from the window, and in the language of the song singing happily:

"Brown eyes watching, watching for papa
Smiling sweet welcome for me;
Open the window and fling wide the door,
Papa is coming, bright eyes to see."

Everybody that loves sweet music should have this Song.

A SUDDEN DEATH.

A GOOD MAN GONE.

E. J. Kirch, formerly in Cole's drug store, but more recently a student with Dr. Bronson, was found in the Doctor's library reclining in a chair, clad in his night-clothes and perfectly unconscious. He has been a very close student, and was accustomed to be up till a late hour at his studies. Evening before last he was up with a party writing letters to friends in Germany till 1 o'clock. The bed showed that he had retired and got up after the *Enterprise* was delivered, as a copy of that paper was found still folded and lying on his bed. It is supposed that after arising he had been taken either with apoplexy or congestion of the brain. He was attended by a number of physicians, who did for his relief and recovery everything their medical knowledge suggested, but he remained unconscious until his death, which occurred at 20 minutes before 8 o'clock last evening. His mind was completely absorbed in the study of medicine. He could hardly think or talk of anything else, and seemed to think the time lost that was given to anything else. Had he lived he would undoubtedly have made a great name in the profession he had chosen. He was a young man very highly esteemed by all who knew him, and when it was known he was dead expressions of sorrow were universal.

The *Senatorial Enterprise*, of Nevada, a few weeks ago announces the above—Mr. Kirch passed away thus calmly on the 20th of February.

It was a pleasure to know Mr. Kirch, in our visit to Mount Davidson in the spring of 1877—and the memory of his genial and cultivated mind will long be remembered—a few days spent in his company were a refreshing, those days and his intelligent and friendly conduct will long be in memory—his body sleeps, but his spirit lives and will come to us often as a reminder of his great worth and our loss.

Home is the happy place when all are there.

Litolff's Musical World.

This is an excellent monthly magazine of new compositions for the piano forte. Edited by Clemens Schultz, Esq., and published by Arthur Schmidtz, Esq., at 40 Winter Street, Boston.

This magazine comprises 20 pages music monthly, the music is from such eminent composers as "Abt," "Behr," "Loescherie," "Brambsman," "Magnes," "Reinlander," "Kublu," "Kong," and "Abrasor," and are songs, serenades, chimes and greetings, and very select. The list of music sent us contains the rarest collection of music extant—we return thanks for this music.

Vermont Merino Sheep Breeders' Association

First Vol. Register, 305 pages, 22 plates, substantial leather binding, contains history of importation and improvement of Merino Sheep, register and pedigrees of 572 stock rams, with pedigree and history of over 200 flocks, pure bred, improved Spanish Merino Sheep. Sent postpaid on receipt of $2.00. ALBERT CHAPMAN, Sec., Middleburg, Vt.

Albert Chapman, Middleburg, Vt.

Large experience in purchasing and shipping Merino Sheep, and an intimate acquaintance with all the recorded flocks in Vermont. Will carefully select and forward for reasonable commissions large or small numbers.

NURSERYMEN AND FLORISTS ABROAD

Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurserymen, especially, who have NEW and RARE kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our JOURNAL circulates there to a large extent.

This is the season when Nurserymen should make known what they have for sale.

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PROPRIETORS CALIFORNIA FARMER.

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The varieties offered are new and choice and immediately productive.

Directions for their culture given to all purchasers. For sale at

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MOUNTAIN PLANTS:

Strawberry Plants.

"Monarch of the West," "Star of the West," "Seth Boyden," "President Wilder," "Great American," "Crescent Seedling," "Duchess," "Prouty's Seedling," "Duncan," "Kerr's Prolific," "Miners' Great Prolific," "Continental," "Cinderella" "Cumberland Triumph," "President Lincoln," and all the best and most promising varieties of STRAWBERRIES.

Mountain grown plants—"Silva's Koning Claudie," the earliest and best early Blue Plum.

We offer for sale a large and fine stock of the above. Send for Descriptive Circular to

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THE AUSTRALIAN GUM TREE.

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

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CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

(AUSTRALIAN GUM TREE).

THERE is no tree known to science that presents so many valuable properties as the various species of the Australian Eucalypti. As many as one hundred and fifty varieties of this invaluable tree have been discovered. No timbers in the world can compare with those of Australia; for purposes requiring great strength, combined with great durability, they are unapproachable. Owing to an essential volatile oil that exudes from the foliage, epidemic rarely exists in Australia. The entire species are more or less medicinal. Yet after many experiments, I have found that some of the species, most useless as far as their timber is concerned, are of the greatest value as medicine plants.

In the back bush the gum leaf has often to answer the purposes of the entire medicine chest.

During the past six years I have been experimenting on the various species of the Australian Gum—the roots, the bark, the gum, and the leaves—with great care.

I have found that the gum that exudes from some of the species cannot be excelled for some purposes.

For Rheumatism, Neuralgia, Gout, Sciatica, or any affection of the Nervous System, it appears to be almost a specific, giving immediate and permanent relief. For resolving the attack of Fever and Ague, it is marvelous. It is equally valuable in all diseases of the Liver.

It is essentially necessary during an attack of any of these diseases that the bowels be freely evacuated by a dose of four to six of the "Liver and Bilious Pills" previous to taking the Fluid Extract, and a small dose of the Pills every night will greatly assist the action of the Fluid Extract. For Rheumatism, Sciatica, Gout, Neuralgia, or pains in any portion of the body or limbs, the part affected should be freely bathed with the "Concentrated Fluid Extract."

For Dysentry and Diarrhœa it supersedes all other medicines known. For ordinary cuts, or slight bruises, one application generally suffices.

For Colic, Pains in the Stomach o Bowels, a single dose generally gives relief before five minutes. In bad cases a dose may be taken every half-hour, or hour, till relieved.

TESTIMONIALS.

The manufacturer of these Pills has a great objection to the "wholesale" publication of testimonials, which in many cases are fictitious, and are only intended to mislead. Yet, for the satisfaction of those who are suffering, and have not yet used his medicines, he selects a few, who are best known in the colony and in the town he lives, and their *personal testimony* will satisfy the most sceptical.

These testimonials above named with many from California, since their recent introduction, will quickly show that the

Eucalyptus Remedials

are the best ever yet introduced. Full and ample testimonial accompany all parcels.

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DAVID CLARKE,
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AT HIS LABORATORY,
WARWICK, QUEENSLAND.

N B.—These Preparations are only manufactured by me, at my Laboratory, Warwick, Queensland, and none genuine without my signature on each bottle or box.

☞PLEASE REMEMBER!

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We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ———, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {TITUS W. FISH, EDWIN B. FISH, JNO. C. HODGINS,} FISH BROS. & CO.

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—OR—
GEO. A. DAVIS,
Manfacturers' Agent for Pacific Coast,
327 MARKET STREET,
48:17 **SAN FRANCISCO.**

BRYDON & CO.,

"ECLIPSE" COLLIERY,
IPSWICH.
MANUFACTURERS OF THE CELEBRATED
"ECLIPSE" COKE.
JOHN M. BRYDON,
Shipping, Insurance, and Freight Broker, Custom House and Forwarding Agent.
AGENT,
Railway Carrying Co.
CITY WHARF,
BRISBANE, QUEENSLAND.
48:16

John Rodgers & Co.,

GENERAL STOCK AND SALE YARDS,
—AND—
LIVERY AND BOARDING STABLE,
Cor. Market and Ninth Sts.

Hay and Grain at Lowest Market Rates.

FOR SALE.

An Iron-Gray Stallion, 6 years old, 16 hands high, weight 1200 pounds; untrained, can trot close to 2:40; sound, kind and gentle. "Messenger" stock.

—ALSO—

A Black Stallion, "John Wallace," sired by "England Glory," and from an imported Normandy mare of 6 years old, 17½ hands high, 1750 pounds; coat black flowing mane and tail. He won great merit last year by a set of the finest colts of this blood.

—ALSO—

One Black Stallion, 8 years old, 16 hands high, weight 1250 pounds; has a record of 2:38; sound, kind and gentle.

Can be seen at Bulls Head Stables, Corner of Market and 9th Streets.

49:1 JNO. RODGERS & CO.

☞S. M. PETTENGILL & Co., 37 Park Row New York, 10 State Street, Boston, and 701 Chestnut Street, Philadelphia, are our Agents for SUBSCRIPTIONS to THE CALIFORNIA FARMER in the above cities, and also our AUTHORIZED AGENTS to contract for ADVERTISING at our lowest rates.

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Nos. 214 and 216 Battery Street,
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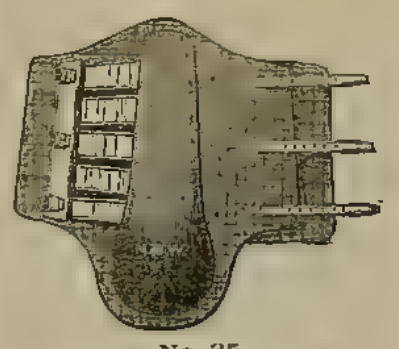
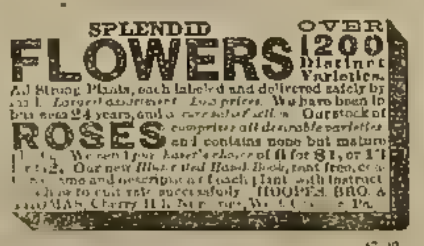


No. 35.
ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47:20



47:22

NEW TOOTH POWDER!

The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath.

DAVID CLARKE'S
Eucalyptus Tooth Powder.

The BEST EVER COMPOUNDED and destined to supersede all others.

WARREN & CO., SOLE AGENTS,
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THE
New Zealand Insurance Co
FIRE AND MARINE,
Organized 1859.

Capital, $5,000,000.

With Unlimited Liability of Stockholders.

Capital	$5,000,000
Capital paid up	1,000,000
Assets	2,010,512
Re-Insurance Reserve	347,035
All Other Liabilities	209,759
Surplus for Policy-holders	1,293,058
Premiums received to May 31, 1878	7,095,883
Losses Paid to Date	4,248,907
U. S. Bonds deposited in Oregon	50,000

UNDERWRITE, THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandise, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

HEAD OFFICE:
NEW ZEALAND INSURANCE COMPANY,
Auckland, N. Z.
HUGH CRAIG, - - - - - Manager,
OFFICE, 307 CALIFORNIA STREET,
San Francisco.

OREGON BRANCH:
No. 7 FIRST STREET, PORTLAND,
W. F. BROWN - - - - Manager.
47:12

VALUABLE

FARMS FOR SALE.

Valuable Farms in the sunny lands of San Diego County

Those families who desire to leave the cold wintry region of the north and come to a better climate—are invited to the following Farms we offer at good bargains:—

One Farm of 1,500 acres, undivided, can have a great chance to buy this Farm.

One of 320 acres, of rich land of the very best soil, running water, and generally low land, capable of growing any crop wanted, a portion fenced, with fruit trees and vines now bearing.

One Farm of 160 acres of most excellent soil, capable o raising all Tropical Fruits in the greatest luxuriance.

All these Farms are in the Bee-region—and suitable for this interest—all sold on easy terms. For particulars address

STEINER, KLAUBER & CO.,
San Diego City, Cal. 49:2
Or CALIFORNIA FARMER Office, 320 Clay Street.

LAND PLASTER.

THE GREAT FERTILIZER.

This most excellent material for all Clovers and Grasses, can now be had of the undersigned at the low price of

$12.50 per Ton.

Also—Building Plaster, Casting Plaster, and Terra Alba

For Sale by

LUCAS & COMPANY,
215 and 217 MAIN STREET,
Bet. Howard and Folsom,
49:2 San Francisco.

FOR SALE!

ORMSBY HOUSE.

SOUTH CARSON ST. CORNER OF SECOND,
Carson City, Nev.

JOHN T. PANTLIND, Proprietor.

The ORMSBY is the leading hotel in Nevada. The furniture of the hotel is elegant and perfect in all its appointments throughout.

The season of sale is, the present proprietor is soon to open an elegant and delightful SUMMER RESORT.

The ORMSBY now enjoys the largest patronage of any hotel in Nevada, the business of the hotel is well established, ensuring a good income.

For particulars write to, or call on the proprietor.

THE NEW

SHEEP DIP.

We invite our SHEEP RAISERS to a NEW SHEEP DIP just received by us from Omaha, Nebraska, known as KENNEDY'S NON-POISONOUS and TOBACCO SHEEP DIP.

This new article can be had at a reduced rate in quantities at the

CALIFORNIA FARMER OFFICE.

N. B.—Call for Circulars and Particulars of its quality and merits.

Central Pacific Railroad.

Notice to Shippers.

Please take notice that this Company will maintain, for transaction of business in Oakland, TWO STATIONS, viz:

MARKET STREET AND SIXTEENTH STREET

and to avoid delays we would request shippers to state on receipt, name of station to which freight should be delivered; as in the absence of same all consignments will be taken to Market Street.

J. A. ANTHONY,
SAN FRANCISCO, Jan. 13, 13, 1879. Agent.

BEST business you can engage in. $5 to $20 per day made by any worker of either sex, right in their own localities. Particulars and samples worth $5 free. Improve your spare time at this business. Address STINSON & Co., Portland, Maine. 47:22

25 NEW YEAR CARDS, with name, 20c. 24 Extra Lilized, 10c GEO. I. REED & Co., NASSAU, N. Y. 47:1y

Home Miscellany.

"There is no place like HOME.
Home! It should be Heaven on Earth

LITTLE GIRLIE.

Little girlie's three years old;
Baby's just a week.
Little girlie thinks it queer
Baby can not speak.

Little girlie, wondering, asks,
Whence did baby come?
Mother says, "God sent him here
From his heavenly home."

Little girlie ope's her eyes;
Does not understand.
Mother tells her lovely things
Of the Happy Land.

Little girlie hops away,
To the cradle creeps;
Softly lifts the curtain up,
To see if baby sleeps.

Then, in her most winning tones,
Soft we heard her say,
"Baby, was God pitty well,
When you came away?"

—*The Youth's Companion.*

FROM MY ARMCHAIR.

HENRY W. LONGFELLOW.

To the children of Cambridge, who presented to me on my seventy-second birthday, February 27, 1879, this chair, made from the wood of the village blacksmith's chestnut tree.

Am I a king, that I should call my own
This splendid ebon throne?
Or by what reason, or what right divine,
Can I proclaim it mine?

Only, perhaps, by right divine of song
It may to me belong;
Only because the spreading chestnut tree
Of old was sung by me.

Well I remember it in all its prime,
When in the summer time
The affluent foliage of its branches made
A cavern of cool shade.

There by the blacksmith's forge, beside the street,
Its blossoms white and sweet
Enticed the bees, until it seemed alive
And murmured like a hive.

And when the winds of autumn, with a shout,
Tossed its great arms about,
The shining chestnuts, bursting from the sheath,
Dropped to the ground beneath.

And now some fragments of its branches bare,
Shaped as a stately chair,
Have by my hearthstone found a home at last,
And whisper of the Past.

The Danish King could not, in all his pride,
Repel the ocean tide,
But, seated in this chair, I can in rhyme
Roll back the tide of Time.

I see again, as one in vision sees,
The blossoms and the bees,
And hear the children's voices shout and call,
And the brown chestnuts fall.

I see the smithy with its fires aglow,
I hear the bellows blow,
And the shrill hammers on the anvil beat
The iron white with heat!

And thus, dear children, have ye made for me
This day a jubilee,
And to my more than three score years and ten
Brought back my youth again.

The heart hath its own memory, like the mind,
And in it are enshrined
The precious keepsakes, into which are wrought
The giver's loving thought.

Only your love and your remembrance could
Give life to this dead wood,
And make these branches, leafless now so long,
Blossom again in song.

'TWIXT THE LEAF AND THE LACE.

D. F. TAYLOR.

When the leaf of the mulberry is spun into thread,
Then the spinner is shrouded and the weaver is dead;
And that shroud is unwound by the fingers of girls,
And the films of pale gold clasp the spool as it whirls.

As it ripens and rounds,
Like some exquisite fruit
In the tropical bounds,
In air sweet as a lute,
Till the shroud and the tomb,
Dyed in rainbow and bloom,
Glisten forth from the loom
Into garments of pride,
Into robes for a bride,
Into lace woven air
That an angel might wear
Ah! marvelous space
'Twixt the leaf and the lace,
From the mulberry worm
To the magical grace
Of the fabric and form!
Oh, imperial state,
Splendid empire in leaf,
That grows grand on the way
To the sky and the day.
Like the corralline reef
To be royally great.
Dead gold is barbaric, but its threads can be woven
Into harmonies fine, like the tones of Beethoven,
Can be raveled and wrought
Into love-knots of faith
For the daughters of ruth—
Into garments of thought,
Into pinions for truth—
And be turned from the wrath
Of a misty ideal
That may vanish in night,
To things royal and real
That shall live out the light.

"When a stranger treats me with want of proper respect," said a philosophic poor man, "I comfort myself with the reflection that it is not myself he slights, but my old shabby coat and hat, which, to say the truth, have no particular claims to admiration. So if my hat and coat choose to fret about it, let them; it is nothing to me."

TRUE COURAGE AND SELF-CONTROL.

With some, real courage and self-control are natural; almost, if not quite, instinctive. They do not appear to know what fear is. Still, every parent knows the great difference that is seen in the same family. One child rushes into all kinds of danger apparently without any fear, yet will be greatly excited, and manifest no self-control; while another shrinks from danger, but, if it comes, will be far more self-possessed than the fearless one, making no out-cry, and openly manifesting no agitation. This last characteristic is perhaps less frequently shown in young children than the bold, courageous, almost aggressive bearing.

We doubt if true courage can be as successfully cultivated as self-control. A man is expected to be courageous, and, if he fails, sinks greatly in the world's estimation. Women, unless of a morbidly sensitive temperament, have more self-control than men. If it is not natural, few reach mature age without seeing that the necessity for self-possession is important and necessary. It usually comes through experience and often repeated failures or great suffering. Perhaps it would be wiser to call it endurance rather than self-control; yet are they not nearly akin? To endure is to exercise self-command under suffering or trial. And our object is to impress upon our readers, especially mothers, the value of these two most important traits of character. Few understand or more than half comprehend the treasure they possess if they are gifted with either of these admirable qualities; but if the two are found in one person they give their possessor a power which can only be sufficiently estimated when brought into full object by some unforseen circumstance which calls for their prompt and effective exhibition. A vast amount of property is destroyed, or it may be life itself put in jeopardy for the lack of this most desirable combination. Those who are naturally thus endowed should guard this valuable possession with unceasing care; and mothers, seeing that any of their children are deficient in either qualification, should spare no effort to cultivate it carefully in those committed to their care.

For the lack of a fair portion of courage and self-possession quite as many lives are lost as through the threatened calamity. Not holding themselves under control they lose all power of acting reasonably, and often rush blindly into the danger they seek to avoid.

When we say that with some; courage and self control are found from earliest childhood, we don't mean that this development, while a child is very young, is apparent in any remarkable degree; but all know that in large families, or in a village where many children are thrown together, they soon, and perhaps without any words, recognize their leader; and in times of trouble or danger look instinctively to that one. It may be that he—or she—as keenly realizes the danger as any of the party, but in spite of fear they do not lose self-possession or the power to face whatever has made the others wild with fear.

We have no doubt, that in many children this trait has been buried or destroyed by injudicious parents, or, worse, by unscrupulous servants. If parents are naturally timid themselves, and have allowed this weakness to master them until incapable of exercising the slightest self-control, it would be singular if their children did not grow up weak and irresolute—unable to keep calm or act judiciously at the very moment when their own comfort and safety and that of those depending on them is in jeopardy. If parents could realize how the young are moulded and governed by their own conduct they would labor hard to secure at least the semblance of self-government when in their children's presence.

We have known ladies scream, or become almost convulsed, if a bug or worm was found on or near them; or lose half the pleasure of a summer in the country through such weakness because of the busy insect life all about them; afraid to touch a rose leaf a tiny, neat little worm or a rose-bug should have sought food and shelter among the leaves.

When mothers betray such weakness it is not necessary to see their children to understand that it will be their tendency to be equally foolish.—Now and then one more sensible may be found in a family where the children are brought up to see such weakness daily manifested by the mothers. Or, on reaching the years of maturity, the germs of self-control or true presence of mind, that have been choked and dwarfed by the mother's weakness, but fortunately, perhaps, kept alive by the father's teachings or their own inherent strength, may develop all the nerve and self-control necessary to make a noble character.

We have been led into this train of thought by an account of the courage and self-possession of a lady in New Orleans under circumstances of the most startling character, when a moment's wavering or weakness manifested would have cost her her life. She was a woman of wealth, with rich surroundings and costly adornments. She was that evening alone, with only one servant in the house, and laying aside some articles of jewelry and replacing them in their appropriate cases in her bureau she chanced to raise her eyes to a mirror opposite. From a night-lamp standing on a table in the opposite corner she caught in the mirror a reflection of a figure of a man curled up under a center table, but hidden from all sight save what was gained by the reflection cast in the mirror from the lamp on the floor. In this way she saw one of the hands resting on the floor. This hand lacked two fingers, and she at once suspected that close by her was a most notorious character, whose crimes and depredations had been the terror of the neighborhood. Suppose she had screamed or made a hurried effort to reach the door?—That would have sealed her fate. But forcing herself to be calm she finished what she was doing at her bureau and then quietly stepping to the bell rang for the one servant, then in the house.

When the girl appeared she said "Jane, I wish you would step round to Mr. ——— (naming a jeweler in the neighborhood) and tell him I wish he would send me back immediately the diamonds he has been resetting. They are the most valuable of all I have, and I feel uneasy to have them out of the house and not under my own care another night. Tell him to send them to-night, even if not done. Wait, I'll write him a note."

So this brave lady seated herself with apparently the greatest composure by the very table where the ruffian was concealed, and wrote. We can readily imagine that she wrote not for her diamonds but for help. The girl took the note, and alone, absolutely alone in the house, save with the fearful object concealed under the table, this lady waited. To avoid awakening the least suspicion she busied herself in putting various articles away in different parts of the room, even humming a tune or little snatches from some opera. We can well imagine that she dared not attempt to sing lest her voice would betray her. How fearful must have been that waiting! How full of joy and safety the sound of the bell when the girl returned! But she came not alone. Her friend promptly answered her appeal for help, and, bringing with him the police, the man was captured before he had a moment's time to defend himself.

The story speaks for itself, and more forcibly than anything we could say teaches the importance of cultivating courage, governed and held firmly by self-control or presence of mind.—MRS. HENRY WARD BEECHER, in *Christian Union*.

WHEN MEN GROW RICH.

It is not true that the great victories of life are to the sharp and immoral man, as a rule. Here and there by sharpness and cunning, men rise into wealth, but that wealth is not of a kind to remain. It takes a certain amount of virture, of self-denial, of morality, to lay up and to keep money. In the lives of nearly all rich men there have been periods of heroic self-denial, of patient industry, of Christian prudence. Circumstance did not make these men rich. The highest moral prudence made them rich. While their companions were dancing away their youth, or drinking away their middle age, these men were devoted to small economies—putting self-indulgence entirely aside. If our correspondent or our readers will recall their companions, we think the first fact they will be impressed with is the measure of equality with which they started in the race for competence or wealth. The next fact they will be impressed with is the irregularity of the end. Then, if they make an inquisition into the causes of the widely-varying results, they will be profoundly impressed with the insignificant part "circumstances" have played in those results. Circumstances? Why, the rich man's son who had all the "circumstances" of the town has become a beggar. The poor, quiet lad, the only son of his mother, and she a widow, who could only earn money enough to procure for her boy the commonest education, is a man of wealth, and has become a patron of his native village. The man who possesses and practices virtue makes his own circumstances. The self-denying, prudent man creates around himself an atmosphere of safety where wealth naturally takes refuge—provided, of course, that the man has the power to earn it, either in production, or exchange, or any kind of manual or intellectual service.—*Scribner*.

Romance of Pearls.

I will tell you a circumstance that happened twenty-five or thirty years ago, when I was residing in Calcutta. One morning our friend, the late Dr. Vass, Surgeon of the Royal Army, brought to my husband, Dr. John Grant, a box containing twelve or thirteen pearls of various sizes, saying: "Grant, you are a well known man in Calcutta, and I want you to hear the curious account of these pearls, and to take charge of the box, and let me know any change you may see in them. Their history is as follows: About forty years ago a lady at Amboyna gave a pearl to each of the two sisters, saying: "These are breeding pearls; take good care of them; never touch them with the hand, as heat injures them, and feed them on rice.' One of these sisters has just come to Calcutta, and she has lent the box to me to show you. In the forty years she has had it, this is the result—twelve or thirteen young ones." The box was opened, and there lay on cotton the mother pearl, a rather large but ill-shaped individual. The eldest daughter, as I called it, was a lovely pearl about the size that jewelers generally set three in a ring. The others were perfect in shape, but gradually decreased in size; two very small I called the twins, as they stuck together, and the last was a very wee seed pearl. According to instructions, rice was put into the box, which was locked in a secret drawer in the cabinet, of which my husband alone kept the key. After some days we opened the box, and to our astonishment we found that every grain had been nibbled. I cannot think of a better word. How nibbled I cannot imagine, but that one fact I can vouch for. A few weeks after we had to leave Calcutta. The box was returned to Dr. Vass, and what became of it I knew not. I have often mentioned it to my friends, and some years ago I saw in a book that lay upon my friend's table, that people in the East believe in breeding pearls.—*London Land and Water*.

Philomene's Marriages.

A French society novel. By Henry Greville. With a preface to her American readers. This is the last novel of this popular and fascinating writer, just written, and translated in Paris by Miss Helen Stanley, under the author's supervision, and published in this country by T. B. Peterson & Brothers, simultaneously with the publication of the work in Paris, being printed here from the advance manuscript of the work just received from the author, from France. "Philomene's Marriages" is a charming story of French life, located in Normandy, and also in Paris, and the heroine's life is one of every-day occurrences, made up of the never-ending round of country pleasures and duties, narrated in a most fascinating manner, and is an admirable picture of home-life, being a comedy of life, full of cleverness and wit, while the book is commendable for its high moral tone, as well as its interest, which is preserved throughout. It also contains a preface to the work, written by Henry Greville to her American readers, which preface is only published in the American edition of this, her new story of French life. Philomene's Marriages is published in a large square duodecimo volume, paper cover, price 75 cents, in uniform style with Petersons' editions of "Dosia," "Savelli's Expiation," "Marrying off a Daughter," "Pretty Little Countess Zina," "Sonia," "Gabrielle," and "A Friend," by Henry Greville, and will be found for sale by all booksellers and news agents, and on all railroad trains, or copies of it will be sent to any place, at once, on their remitting the price in a letter to the publishers, T. B. Peterson & Brothers, Philadelphia, Pa

Flags of all nations—paving stones.

NEW YEAR'S EVE.

Speak gently darling Hush! the hour is holy,
Too sad and solemn for unbridled mirth,
Draw near and watch, with chastened gaze and lowly,
The Old Year dies, the New Year springs to birth

Stand close, my darling, mother's arm is round thee,
And she will shield thee from the chill night air,
While saints and angels, all unseen, surround thee,
Who bid thee join them in the midnight prayer.

The Old Year dies; behold it calmly,
Prepared to take its everlasting flight;
While gentle earth, in silent grief complying,
Spreads out a winding sheet of black and white.

The far-off stars look down in silent wonder,
And shed unconscious lustre o'er the gloom,
As children learning in their youth to ponder
The unseen things which lie beyond the tomb.

From out the tried tower a muffled knelling
Warns that the year is sinking to its rest;
While hearts bereaved in many a lonely dwelling,
Are mourning o'er their dearest-loved and best.

The Old Year sleeps! Then tranquil be its slumber,
And calm their sleep who on its breast repose,
Who willeth all the days of man to number,
Hhath called them to their rest when best he knows.

The Old Year dies! Yet in His sight it liveth,
With whom all seasons and all years are one;
To His beloved ones such sleep He giveth,
Reward of faithful toil and duty done.

* * * * *

Seen o'er the distant east the morning breaking,
Will flush with rosy tints the snow-clad earth;
Then sleep, my darling, till the New Year waking,
Arouse thee with a kiss to greet its birth.

—*Sunday Magazine*.

Spare the Children.

An indignant parent lately complained of the severe tasks which school children are compelled to accomplish. The complaint is well founded. Whether education or mere discipline is the object of attendance at school, neither justifies the physical constraint and mental exertion to which hundreds of thousands of children are subjected every day. Few soldiers are as severely taxed on the drill ground as many children are in our show schools and others which aspire to high reputations for order; but, as if this cruel training were not destructive enough of health and spirit, the custom grows more and more popular with teachers to make school hours merely the time for recitation, the lessons to be studied at home. After six hours spent in the school-room, and from four to six spent at study at home, how much time and inclination has a child for recitation? Parents should remember that rightfully they have a voice upon the course of studies to be followed by their children, and should refuse to allow home to be turned into a school-room unless they are themselves going to officiate as teachers and save their children from double restraint and double duty.

[The *New York Herald* speaks well in defence of overtaxing the energies and brains of children—the school room is the place for study—home for social life and happy recreation.—ED. F.]

DOMESTIC RECEIPES.

A RECIPE WORTH ONE THOUSAND DOLLARS.—The Ohio *Cultivator* says the following recipe is worth a thousand dollars to every house keeper: "Take one pound of sal soda and half a pound of unslacked lime and put them in a gallon of water; boil twenty minutes; let it stand till cool, then drain off and put in a small jug or jar. Soak all your dirty clothes over night, or until they are wet through, then wring them out and rub on plenty of soap, and in one boiler of clothes well covered with water, add one teacupful of the washing fluid, boil half an hour briskly, then wash them thoroughly with some suds, then rinse, and your clothes will look better than by the old way of washing twice before boiling. This is an invaluable receipt, and every poor, tired woman should try it."

CORN DODGERS.—One quart of corn-meal a tablespoonful of lard, two eggs, a tablespoonful of salt; scald the meal, with the lard in it, with boiling water; cool with a little milk; add the eggs beaten light; beat very hard for ten minutes; make them thin enough with cold milk to drop off the spoon and retain their shape in boiling lard; serve hot, have the lard boiling hot when you drop them in.

Every housekeeper should have "a place for everything and everything in its place," framed and hung in a conspicuous place and follow the directions.

BOILED APPLES.—Place a layer of fair-skinned Baldwins—or any nice variety—in the stew-pan, with about a quarter of an inch of water. Throw on about one-half cup of sugar to six good-sized apples, and boil until the apples are thoroughly cooked and the syrup nearly thick enough for jelly.

JELLY CAKE.—Three eggs, one cup sugar, one cup flour, one teaspoonful of cream tartar, one-half teaspoonful of soda, three tablespoonfuls of sweet milk; bake in jelly tins.

A NEW ART INDUSTRY FOR LADIES.—Amongst the latest novelties in fashion are buttons made of the red Watcombe Terra Cotta, adorned with paintings of favorite views in England, Scotland, and Ireland. They are about the size of a half-crown, and the views are painted by an Irish lady.

Excursion to Europe.

Mon. Eben Lowyer, of Boston, Mass., has now in preparation his "Second Grand Educational European Tour of Europe" for the summer of 1879.

The plan is to visit England, Scotland Ireland, Belgium, Germany, (up the Rhine,) Austria and the Tyrol, Italy, Switzerland and France.

This plan is a grand one and to the wealthy who search for knowledge, health and pleasure in life, this is one of the grandest enterprises of the age.

James Auchard Wanted.

A correspondent writes us to spread the information that JAMES AUCHARD, a native of Kilkenny Co., Ireland, and in California in 1866.

Any information about him if living or of his decease should be sent to this office, or to John B. Winder, Esq., Attorney at Law, Homins, Louisiana, will be gladly received.

SHERMAN & HYDE,

WHOLESALE AND RETAIL

MUSIC DEALERS,

CORNER KEARNY AND SUTTER STS.,

San Francisco.

WEBER PIANOS

.... ARE ....

THE BEST.

What the Great Musicians and Singers say of them.

NEILLSON. I shall take every opportunity to recommend and praise your instruments.

KELLOGG. For the last six years your Pianos have been my choice for the Concert Room, and my own house.

PATTI. I have used the Pianos of every celebrated maker, but give yours the preference over all.

STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

WEHLI. Madame Parepa called your Pianos the finest in the United States. I "fully endorse," that opinion. They have no "rival anywhere."

MILLS. Amongst the many excellent Pianos made in the city, the Weber ranks foremost.

LUCCA. Your Uprights are extraordinary instrument and deserve great success.

MURSKA. Your instruments surpass my expectations, and I rank you justly as the Foremost Manufacturer of the day.

GODDARD. Your Instruments have no "superior" anywhere. I certainly have not seen any Pianos in America which approach them even.

The Cottage Gem Piano,

Is 7 Octave. Serpentine Mouldings. Carved Legs, and is the BEST PIANO in the market for the price.

$350.00.

The Standard Organ

Has a Beautiful Case, full, rich tone, and for durability

Excels all Others!

.... FOR ....

Sheet Music, Music Books,

OR ANY ARTICLE IN THE

MUSIC TRADE,

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SANTA CLARA, CAL.

THE TWENTY-SEVENTH ANNUAL SESSION OF THIS Institution will be resumed Thursday, January 3d.

This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It occupying six large buildings with extensive shady playgrounds, covered gymnasiums, swimming pond, etc.

It possesses a most complete philosophical apparatus, and valuable collections of mineralogy and geology. It has also practical schools of Assaying, Surveying, Telegraphy, Photography, and Commercial business. For the latter a new building 160x40 has just been finished that leaves nothing to be desired.

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TERMS—(Payable semi-annually in advance) Matriculation fee, to be paid but once.....$ 10.00
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Miscellany.

Gatherings along the way side,
Floating gems by every tide.

FOR EMMA'S ALBUM.

BY HALLEY H. HEWITT.

I.

An album is a casket where
A lady treasures thoughts of friends,
O'er which to read and sigh whene'er
Her heart with their remembrance bleeds.

And he who is allowed to write
Within a lady's treasure-book,
Is honored with a task not slight,—
A privilege not to o'erlook.

II.

'Tis for the first time now, to-night,
That I've been ever asked to write
An Album-poem, which with me,
A failure I'm afraid will be;
For I've no sentiment, I know,
Of graceful thoughts no easy flow,
And to stain this spotless page
Seems almost like a sacrilege.

III

An easy matter it may be
To scribble copied poetry,
But write something as a friend,
Some lines to please and not offend;
That will a tender thought engage,
And worthy be to fill a page
In a young lady's album, where
With other's thoughts it must compare;
Something pretty, "short and sweet,"
Free from flattery,—well, just neat;
Thoughts that will in future years,
Be read with neither smiles nor sneers,
But to the recollection bring
The writer's self and everything
Connected with th' acquaintance then;
Which will be read with pleasure when
With sweet remembrance the mind
Looks back on years left far behind,
Is not an easy task. Still, I,
To do as you desire, will try,
Though I am poor at poetry,
And have no doubt but this will be
The poorest that was ever penned
In any album by a friend.

When in some idle, listless hour
You turn these pages dreamily,
And read what each has written here,
Devote a careless thought to me.

Think: "He, too, was a friend of mine,
Whose friendship was, I am sure, sincere;
He doubtless often thinks of me,
So I'll respect his verses here."

Remember me as one who owes
To your refined society,
A purer love to all your sex,
For which he e'er must grateful be.

Your friendship forms a golden chain
So pure and delicately wrought,—
Since it encircled round your heart,—
It may be broken by a thought,
One of the links let me remain,
Though strained, I know 'twill never part.

THE LATE SAM PATCH.

Some one inquired of the *Batavian* what he knew of "Sam Patch" and what was his real name. The editor interviewed an old citizen of Genesee county, and answered: "Sam Patch's" real name was Samuel Patch, but by consent the uel was torn off in boyhood, and was never afterward patched on. Sam was first discovered in or about Paterson, N. J. He didn't develop well as boy or man. He was good-natured as the day was long, and as shiftless and dissipated as he was good-natured. His surname was placarded all over his clothes by a careful mother, and all over his face by the effects of the "water he took in hizen." He had, occasionally, lucid intervals. In on of these he determined to be a blotch on the face of creation no longer, and so he hurried to the Passaic river, with suicidal intent, and with a mighty leap went over its beautiful falls and into its seething waters below. But, as the lamented Greeley had it, "though he tried to give up the ghost, the ghost refused to be given up," an Sam came out alive and well. An idea struck him. He had a new way for a lazy man to make a living. He'd jump; the crowds would pay. He utilized his idea—jumped falls here and there all over the country; Went to Niagara falls and leaped safely down that tremendous cataract; went to Rochester, N. Y., leaped there once in safety, tried it again, was drunk at that time and did not maintain his perpendicularity in descent, and, striking the water a little angling, was probably killed by the collision. His body was never found. This, his last jump, he made about forty-five years ago.

A Special Offer to the Readers of this Paper.

$7.00 FOR 63 CENTS.

The American Diamond Dictionary, containing 30,000 words, orthography, pronunciation and definitions according to the best English and American Lexicographers, illustrated with nearly 200 engravings; satisfies the wants of the scholar at the same time is just what a plain learned person needs. It is decidedly the best dictionary ever printed. Contains 700 double column pages. Superbly bound in cloth and gilt. Type clear and handsome. *Sent free* to any reader of this paper upon receipt of 63 cents, to pay actual postage and packing charges. This great offer is good for thirty days only, and is made solely for the purpose of introduction. But two dictionaries will be sent to one address. This appears but once. *Order now.* Send silver, currency or 3 cent postage stamps. Address at once *National Book Company, Rockland, Mass.*

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Authentic and Reliable Pedigrees

Of the principal families of Berkshire Swine, with dates of farrow, addresses of breeders, etc.,

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Volume I. contains the standard o Characteristics and Marks of Berkshire Swine, adopted by the National Convention in 1872; and Volume II. the STANDARD OF EXCELLENCE, more recently adopted by the AMERICAN BERKSHIRE ASSOCIATION. In each will be found

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The price of Vol I. is $3.50, post-paid; that of Vol. II. $5.00, post-paid. Volume I. and II. will be sent, if ordered at same time, (although both need not go the same address) for $8.00, post-paid, the money to accompany the order.

BLANK FORMS FOR PEDIGREES,

Bound in sets of one hundred, with stubs for retaining memoranda, price $1.00 per set. These forms are adapted to general use by breeders of all kinds of farm and domestic animals, and are designed to aid in the systematic preservation of pedigrees.

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These two Essays, for which the Association paid $100 each, and the seven illustration therewith, have been published together in pamphlet form. They will be sent postpaid on receipt of 25 cents.

For further information, read carefully the Third Annual Report of the Association, and the Suggestions, Instruction and Rules therewith, or Address,

N. B.—These Splendid Volumes can be seen at THE FARMER OFFICE.

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In connection with the publication of the *Scientific American*, we continue to act as Solicitors for Patents Caveats, Trade-Marks, Copyrights, etc., for the United States, Canada, Cuba, England, France, Germany, etc. In this line of business we have had *thirty-three years' experience.*

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Can I Obtain a Patent? The quickest and best way to obtain a satisfactory answer, without expense, is to write to us (Munn & Co.), describing the invention, with a small sketch. All we need is to get the *idea.* We will immediately answer, and give the necessary instructions. For this advice we make *no charge.*

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Farmers' Accounts.

WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer

A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to

List of Australian Duties.

Our Merchants and Shippers of Goods to Australia who desire to know the rates of duties to the several Colonies, cand find a "List of Duties" of each district at the Office and Reading Room of the CALIFORNIA FARMER, 320 Clay Street, San Francisco.

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— AND —

TREE SEEDS.

SOLICIT Orders for the above from the TRADE, also, *GLADIOLUS* and all other *BULBOUS ROOTS.*

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The following valuable new works just received at THE CALIFORNIA FARMER OFFICE, 320 Clay Street, worthy special attention:—

"PLAIN HOME TALK AND MEDICAL COMMON SENSE,"

A most valuable work, one volume, 800 pages, fully illustrated with 200 engravings.

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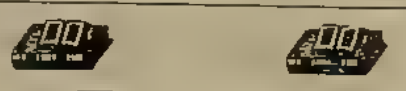
A most interesting volume of nearly 1200 pages, admirably illustrated; Also, "Science in Story" in five volumes, most admirably written and most inviting to every reader and conclusive in the arguments of every story.

These Volumes are all Edited by Dr. E. B. Foote, and issued by the Murray Hill Publishing Company, of Chicago, Ill., and for sale at the FARMER OFFICE.



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all handsomely got up and finely bound Price, $2.50, worth ten times the cost. 45:21

Worth a Guinea a Box!

CLARKE'S

Liver and Bilious Pills.

The BEST MEDICINE you can possibly take for Indigestion, Fever and Ague, Wind in the Stomach or Bowels, Sick Headache, Heartburn, Giddiness, Drowsiness, Languor, Spasms, Pains and Fullness at the pit of the Stomach or region of the Liver, Loss of Appetite, Diarrhœa, Dysentry, and the most certain cure for Piles is

Clarke's LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

TESTIMONIALS:

WONDERFUL!

WARWICK, QUEENSLAND, April 21, 1877.

MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR,—I think it my duty to you, and for the benefit of others, to state, that for the past two years I have been troubled with a pain in my left side, I think through a hurt. I have been under the treatment of two medical men here. One told me I had heart disease; another, disease of the lungs. I went to Brisbane and consulted one of the leading Physicians there. I spent thirty pounds with doctors for medicine, and was worse than when I commenced. I could scarcely breathe for pain, and had given up hope that I was ever to be better. I heard of many cures by your Liver and Bilious Pills; I thought I would try them. I have only taken three small boxes: the pain is gone, my general health is improved, and now I can work as well as ever I have done. I have been working on the roads. My case has been well known here, and my wonderful recovery. Being for ever thankful to you.

I am, truly yours,
WILLIAM STEWART

PARTICULARLY NOTE THIS.

HERMITAGE, WARWICK, August 14, 1877.

MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR,—Four years ago I was sluicing tin at the Tin Mines. With standing in the water I took cold shiverings with night sweats—lost all desire for food. Consulted a Physician in Warwick; was under his treatment four months without improvement. Dissatisfied, went to another, who gave me no hope of recovery, but improved a little under his treatment. One day, being very warm, I bathed in the river, and coming out of the water felt very ill. Went back to the doctor, who renewed the medicine without any benefit. In addition to the weakness and night sweats I had intense pain through my body, especially in my left side. My breathing was so painful and difficult, I thought I would be suffocated. I was five months, after the relapse, under the Doctor's treatment, getting worse every day, till the Doctor told me to go home, that I could not possibly live a week. I went home very sad. My wife persuaded me to try your Liver and Bilious Pills. I did. Before I used one box the night sweats were gone, the pain in my side better, my appetite improving. Got another box, and before it was finished, the pains were all gone, my breathing improved, and now, two months after, I never enjoyed better health, can do my work as well as I ever did. I can thoroughly recommend your Pills as having saved my life.

MICHAEL BYRNE.

WARWICK, December 30th, 1872.

To MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed *good health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 23, 1874.

To MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)

JOHN GREEN,
—Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir:*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it but if I must take it give me the Eucalyptus above all others. Yours sincerely,

GALEN CLARK.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved an cured from long and great suffering by the use of thes Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you Davi Clarke's Australian Pills—the only genuine

MANUFACTURED ONLY BY

David Clarke.

Manufacturing and Wholesale Chemist,
AT HIS LABORATORY,
Warwick, Queensland.

FOR SALE BY

WARREN & CO.,
SOLE AGENTS FOR THE
UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

COMMISSION SALES-ROOM,

—AND—

Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass o purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, o for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipmen of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and eve y article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

BOOKS---SEEDS---TREES

All rare and choice things can always be purchased as above.

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE,

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Pinecrville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,

LARGE TREES 6 to 8 feet high,

MEDIUM TREES 4 to 5 feet high,

SECOND SIZE 3 to 4 feet high,

THIRD SIZE 2 to 3 feet high,

FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distances safely, and will be sold low in large ots. Also

EUCALYPTUS SEED.

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine **Patent Bee Hives** of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,
320 Clay Street,
SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Linament for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Linament is needed, as it has been proved to be the best Linament known.

FOR SALE,
Wholesale and Retail,
WARREN & CO.,
320 Clay Street,
AGENTS FOR DAVID CLARKE'S REMEDIALS.

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill*" this we cannot do without CASH, or a special understanding before hand.

WARREN & CO.

ADVERTISERS ABROAD AND AT HOME.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows:—All line advertisements will be ONE DOLLARS for Five Lines, or less, Nonpareil, *first insertion;* larger space, *Fifteen Cents per Line;* each subsequent insertion, *Ten Cents per Line.* This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community.

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $20.00.

For one-eight of a column, three months..... $15.00 | For one-half of a column, three months 50.00
For one-quarter of a column, three months ..... 30.00 | For an entire column, three months 100.00

For a six months, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra It must be specially understood that these rates are invariable—unchangeable: the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the abov rate

WARREN & CO., Proprietors,
320 CLAY STREET, SAN FRANCISCO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, April 3, 1879.

Money and Exchange Tables.

Par on England, new style, long and short	4 86½ a 4 89
Gold, at par	— 1 00
Value of Greenbacks, equal to Gold	- 1 00
Value of Wheat in Liverpool	8s10d a 9s 3d.
Value of Club Wheat in Liverpool	9s 2d a 9s 5d.
Value of Wheat in New York, bushel	1 00 — 1 10
Brewers Barley in New York, bushel	95 — 1 05

MONEY AND EXCHANGE TABLES.

As an evidence of the panic which has taken possession of capitalists because of doubt as to to the fate of the new Constitution, a number of them have withdrawn their deposits from banks, and placed them in the vaults of the Safe Deposit Company until the question shall have been disposed of. Several large sums have been withdrawn from the reach of business within the past three days. In the meantime our money market hes under the cloud, and is characterized only by an abnormal sluggishness. There is no apparent change in rates from 9 to 12 per cent.—*Market Review.*

Money everywhere, in all the great marts of trade, is very abundant and rates of interest low, the very great depression in trade stops business, and no one feels like investing either in trade or any manufactoring business, and this state of things will continue till after the Constitution question is decided—if our people *reject* it "The country is safe," if they accept it, look out for the Porphyry Horse, and a general stagnation of trade, for our people see danger and trouble in the New Constitution, and its rejection only can give confidence and make trade revive once more.

Money in New York is a drug, as low as 1, ½, 3 per cent per annum on three months' paper.

Our bank rates are 7 to 9 and 9 to 12 per cent, according to cases—long loans can be had at 7 per cent and less.

GRAIN AND FLOUR MARKET.

The *Grain market* shows a remarkable firmness even with the dullness of trade, and with quite unfavorable reports from Europe, very steady rates are held too, for *Wheat*, other grains are dull and prices all recede.

The effect of firm rates for wheat and holding back stops export to some degree, and freight rates to Europe are reduced to 22 5s., this may move wheat.

We quote the following from our excellent contemporary the *Commercial Herald and Market Review*, that journal being very reliable, H. C. Beales, Esq., the editor is certainly on the *qui vive* to learn the markets thoroughly, always.

"With us the unexpected firmness of the wheat market has a tendency to weaken the freight market, causing few grain charters to be written. The disengaged fleet suited to the grain carrying trade seems to be quite ample for the present trade requirement—there being still a good number of ships now on the berth waiting cargoes of breadstuffs. The condition of the Eastern wheat market, ample stocks, and the early opening of land navigation, all tend to keep the European market down to low figures during the summer months. The present freight market is sluggish at 55s. to a direct European port."

Wheat shipments—

	Centals.	Value.
Totals since Jan. 1, 1879	42 vessels 1,768,701	$2,079,226
Previously since July 1st	180 vessels. 6,473,805	11,130,903
Totals since July 1, 1878	222 vessels 8,242,506	$14,210,182
Totals since July 1, 1877	90 vessels. 3,471,142	7,028,369
Totals since July 1, 1876	289 vessels. 10,100,458	18,825,248

Our exports of barley by sea has been as follows:

	Centals.	Value.
From July 1, 1878, to April 2, 1879	575,216	$475 452
Same period 1877-8	60,140	158,407
Same period 1876-7	79,701	220,791
Same period 1875-6	159,426	260,273

OVERLAND SHIPMENTS.

In August	66,610 centals.
In September	90,862 "
In October	27 004 "
In November	43,060 "
In December	2,543 "
In January 1879	25,418 "
In February	22,144 "
Total	251,642 centals.

The *Flour* exports for March were about 50,000 barrels, we are receiving quite large lots of flour from Oregon, and exports may be better this month, prices of flour are quite steady.

The *markets* for *Barley Oats, Corn, Rye*, and *Buckwheat* are all very dull, and prices range lower, in fact the prices are nominal, and demand very small as there is a general stagnatiotion in trade.

The rates of all *Feed stuff* is lower—the rapid advance in growth of grain and grass, and cutting of some early grain, short haying, causes the lower rates of these articles, and *Bran, Middlings, Ground Barley, Corn Meal*, and all lower in price—*Oil Cake Meal* is the same, there is a good demand for this article now for Australia and other places abroad.

The *market* for *Hops* is *nil*, customers for this product have hopped out and many growers are quite discouraged.

The *Seed Trade* since the rains has been more lively, and a considerable amount of clovers and blue grass have been planted, and as favorable weather continues, much more will be planted all through this month of April.

The sweet food of California, our *Honey market* is abundantly supplied, even white we are shipping hundreds of tons abroad, and astonishing the world at the abundance of our honey crop, we indeed live in "A land flowing with milk and honey."

Choice white comb in quick demand—common honey is plenty—*Beeswax* in demand for export and price advanced.

The *Market* for *Potatoes* is without much change—receipts equal to demand, and price seems to tend downward—*Sweets* plenty—*Onions* way up, higher than ever—rarely equal to present rates, 12½ to 13 cents.

The *market* for *Beans* remains as per last report.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 45 — 1 50
do Choice do.	1 60 — 1 65
do Milling do.	1 67 — 1 70
Barley, per 100 lbs., feed	70 — 75
Barley, for brewing, (Chevalier)	1 95 — 1 10
Rye	85 — 95
Oats, California, per 100 lbs	1 25 — 1 50
Corn, do do.	90 — 95
Flour, Superfine, per bbl	4 00 — 4 25
do Extra	4 25 — 4 50
Extra Flour for shipping	5 00 — 5 25
Very Extra Family Flour	5 25 — 5 50
Oregon Superfine	4 00 — 4 25
do Extra for Shipping	4 75 — 5 00
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 25 — 1 50
Bran per ton	12 00 —12 50
Middlings per ton	17 50 —18 00
Ground Barley	18 00 —20 00
Oil Cake Meal, for feed, per ton	—32 00
Beans, per 100 lbs, various	1 75 — 3 00
Beans, Lima	4 00 — 4 50
Potatoes, common	65 —
Potatoes, choice	1 10 — 1 20
Early Rose	1 25 — 1 40
Sweet Potatoes	2 50 — 2 50
Onions, new	12 50 —13 50
Hay per ton, ordinary	8 00 —10 00
Hay per ton, extra	11 50 —13 00
Wheat Hay	12 50 —15 00
Alfalfa Hay	
Straw per ton	5 00 — 6 00

Retail Prices in the Fruit Market.

The *Fruit market* now improves and puts on its spring aspect, in fruits we have plenty of fine Oregon Apples, we have Oranges so abundant that they are as cheap as Apples, being sold around our streets as cheap as "ten cents a dozen"—these are not large but very delicious and sweet—plenty of Lemons, Limes and Island fruits, with Bananas, Pines, etc.—and to these we can now announce quite a plenty of Strawberries at a moderate price—so that our fruit show is fine.

Apples, per box	75 — 1 50
do. do. lb	6 — 8
Pears, per box	2 50 — 3 00
" per lb	10 — 12
Figs dried, per lb	12 — 15
Tahiti Oranges, per doz	20 — 20
Lemons, imported, do	30 — 50
Limes, do. do.	20 — 25
Pine Apples, each	75 — 1 00
Bananas, per bunch	2 00 — 3 50
California Oranges, per dozen	10 — 40
" Lemons, "	50 — 10
" Limes, "	15 — 25
Strawberries	20 — 25
Persimmon	8 — 12
California Walnuts, per pound	12 — 16
Almonds, hard shell, per pound	16 — 18
do. soft shell, do.	12 — 15
Foreign Pecan Nuts	12 — 15
Madeira Nuts	15 — 20
Foreign Brazil Nuts	12 — 15
Filberts	7 — 10
Chili Walnuts	8 — 10
Pea Nuts	

Retail Price in the Vegetable Market.

The *Vegetable display* is on the increase now, and all the choice vegetables are coming to market fresh and nice daily Asparagus is abundant and cheap, Green Peas, Rhubarb, String Beans, Cucumbers, etc., can all be had of superior quality and cheap too—and a better supply than any other market in our country.

Asparagus	4 — 5
Artichokes, (French) per doz	15 — 20
Tomatoes, per lb	3 — 5
Beets, per doz	— 25
Broccoli, each	8 — 10
Cauliflower do.	8 — 10
Cabbage, do.	8 — 10
Carrots, per doz	25 — 25
Celery do.	75 — 1 00
Celery Root per dozen	50 — 75
Cress, per dozen bunches	10 — 12
Cranberries, per gallon	30 — 50
Dried Herbs, per doz	8 — 12
Green Peas, per lb	12 — 12
Lettuce per doz. bunches	12 — 12
Onions per lb	15 — 15
Horseradish, per lb	12 — 15
Okra, green, per lb	— 50
Okra, dried, per lb	— —
Choice Potatoes	1½ — 2
New Potatoes	4 — 5
Potatoes choice, per 100 lbs	1 50 — 2 00
Kidney Potatoes, per lb	2 — 3
Pumpkins	1½ — 2
Parsnips, per doz. bunches	— 20
Salsify, do. do.	— 20
Parsley, do. do.	15 — 20
Pickles, per gallon	40 — 60
Radishes per doz. bunches	6 — 8
Rhubarb, per lb	3 — 5
Squash, Marrowfat	2 — 3
do. Hubbard	2 — 3
Limas, Dry	8 — 10
String Beans, per lb	— 8
Spinage per lb	4 — 5
Salsify, per bunch	— 20
Turnips, per doz	8 — 10
Garlic	15 — 20
Eschalot	8 — 10
Mushrooms	

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea. Our salmon beat the world for this choice fish.

Salmon ₩ lb	10 — 12
do smoked new	10 — 12
do pickled, ₩ lb	8 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Smelts, per lb	— — 10
Perch do.	— — 10
Rockfish do.	— — 10
Codfish, dry, per lb	— — 10
Herring, fresh, per lb	— — 8
do smoked, ₩ doz	— — 25
Tomcod, per lb	— — 12
Sardines, fresh, per lb	— — 10
Soleifish, per lb	15 — 20
Mackerel pickled, each	— — 25
Shrimps, per lb	8 — 10
Flounders do.	12 — 15
Sea Bass do.	20 — 25
Halibut do.	40 — 50
Sturgeon do.	— — 4
Turbut do.	2 50 — 3 00
Terrapin, ₩ doz	— — 2 50
Pompono do.	— — 25
King Fish do.	— — 12
Anchovies do.	12 — 17
Frogs, per doz	2 00 — 2 50

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market. Oysters are showing nice and fat and the public appetite now craves this delicious bivalve Every day a grand show in our market.

Oysters ₩ 100 choice	75 — 1 00
Chesapeake oysters per dozen	50 — 75
Craw Fish, per lb	12 — 15
Clams per 100	— — 50
Mussels do	— — 25
Crabs, boiled, each	— — 25
do soft, per doz	— — 50

Retail Meat Market.

The *Retail Meat market* furnishes all the choicest kinds at unusually low figures for this season of the year, and thus is an unusual full market.

Porter House	15 — 20
Porter House, extra	20 — 25
Beef, tenderloin, per lb	15 — 18
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	5 — 10
do cullet	12 —
Mutton chops, per lb., extra	10 — 12
do leg	8 —
Lamb, per lb., extra	10 — 12
Lamb, usual	10 — 12
Beef tongues, each	— — 75
Pigs tongues, each	— — 15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do do sugar cured	15 — 18
Hams, California	13 — 15
Choice hams, Duffield	16 — 18
Whitaker, St. Louis, Mo.	15 — 18

Poultry and Game Market.

The *Poultry market* has been finely supplied, the and prices generally steady.

The game in the market is more plenty and a good demand and liberal sales at fair prices, the game season is over yet here is still game in market by stealth.

RETAIL PRICES.

Ducks tame each	75 — 90
Canvas Backs, pair	75 — 1 00
Small Ducks, dozen	1 50 — 2 00
Geese tame, per pair	2 00 — 2 50
Broilers	50 — 60
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	25 — 28
Snipe, English per doz	3 00 — 3 50
Pigeons, domestic, per doz	4 00 — 4 50
Quail, per doz	1 00 — 1 50
Hares each	25 — 33
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Squirrels, per pair	— — 25

Poultry and Game—Wholesale.

Broilers, per doz	4 00 — 5 00
Large Chickens, per doz	6 00 — 7 00
Hens, per doz	7 00 — 8 00
Turkeys, dressed, per lb	19 — 21
Ducks, tame, per doz	7 00 — 7 50
Canvas Backs, dozen	3 00 — 4 00
Small Ducks, dozen	1 00 — 1 50
English Snipe, per doz	2 50 — 3 00
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Quail, per doz	1 00 — 1 25
Hares, per doz	1 50 — 2 00
Rabbits, tame, per doz	1 50 — 1 75
Squirrels, per doz	75 — 1 00

Retail Dairy Market.

The *Dairy market* is not very fully supplied—dairymen are now packing down butter—choice roll butter is now selling as low as 23 to 25 to the trade, California cheese is more plentiful and at a lower figure—eggs are very plenty and the lowest of the season—see rates below.

Butter, California, Extra Choice per lb	23 — 25
do. do. for (Cooking) do	20 — 22
do. do. packed best roll	25 — 30
do. do. Eastern	20 — 25
California Eggs, per doz	23 — 25
Oregon	— — 23
Duck Eggs, do	— — 25
Cheese per lb	15 — 20
do. Sage, per lb	25 — 30
Eastern Cheese, do	25 — 30
Lard, California, per lb	16 — 18
Lard, Eastern, do.	— — 18
Honey, Comb	12 — 15
do. Strained	8 — 12
Vermont Maple Sugar, per lb	— — 20

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb. (Fresh)	23 — 25
do. Packed Roll, do.	21 — 23
Eastern Butter	18 — 20
Cheese, California, per lb	10 — 13
California Eggs, per doz	20 — 21
Eastern Eggs, per doz	20 — 21
Duck Eggs, "	15 — 20
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	12 — 15

Grain, Wool, Potato Bags, Etc.

The *market* for *Bags and Bagging* is now very quiet, the evidence is very clear that there is an ample stock of both bags and bagging for all the wants of our California grain growers, the market is firm but no rushing demand.

The rates are quoted in our columns.

Messrs. Neville & Co., the extensive bag manufacturers, 33 California Street, can supply our farmers at the lowest rates and on best terms.

Hand Sewed Bags, Standard, 22x36 com. prices	9 — 9½ cts.
Second Hand, Extra	8½ — 9 do
Machine Sewed, 22x36	— — 8½ do
do. do 20x30	10½ — 11 do
Barley Bags, 22 x 40	11 — 11½ do
" " 24 x 36	— — 8½ do
" " second hand	46 — 50 do
Wool-sacks, new	36 — 40 do
do. second hand	13 — 13½ do
Potatoe Gunnies, Double Sewed	10 — 10½ do
do. do. Second Hand	4½ — 5 do
Flour Bags, quarters	7 — 9 do
do halfs, six qualities	

Staple Home Products.

Our general assortment of *Home Products* show well, and their general increase show that our State and coast productions is fast stopping importation of many articles, and, because we grow, prepare and manufacture a better quality

These are established facts known at home and abroad.

Flax Seed, per lb	2½ — 3
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	3 — 3½
Castor Oil No. 1 Diamond in cases, per gallon	— 1 30
" " " barrels "	— 1 05
Castor Oil, No. 2 Diamond in cases per gallon	— 1 20
" " " barrels "	— 85
Linseed Oil, Boiled	— 75
do. Raw	— 72
Cocoa Oil	— 55
Hops, California	3 — 10½
Alfalfa	10 — 12½
Mustard Seed	2 — 3
English do.	4 — 6
Canary Seed	4 — 5
Coriander Seed	8 — 10
Broom Corn	4 — 6
Beet Wax	24 — 26

California Leather Market Report.

The *markets* for *Hides, Leather* and *Tallow* are all dull, these all feel the general apathy of trade, with sales nominal, prices and value rule low.

California Sole Leather	29 — 26
do. Harness do.	28 — 30
do. Skirtings,	33 — 37½
Bridle Leather	41 — 64
Rough do. Oak Tanned	18 — 22
Waxed Calf Skins	50 — 1 00
do. kips do. per dozen	30 00 —55 00
do. Leather per foot	18 — 15

Wool, Tallow, Hides, Etc.

The *Wool market* has not yet been opened, although the spring clip comes in quite liberally, the market rate is not established, it must necessarily be at a low figure—what has been sold was sold low.

Wool, Spring Clip	12 — 15
do. Choice Extra	16 — 18
Fall Clip	14 — 20
Oregon Wool, per lb	18 — 20
Medium, bright	12 — 14
do. Burry	8 — 11
Goats' Wool (mohair)	20 — 75
Dry Hides, per lb	12½ — 13½
Green Salted, per lb	7 — 8
Deer Skins	90 — 1 00
Sheep Skins, wool on	25 — 75
do. do.—plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	4½ — 6½
Tallow, refined	8 — 8½

Average Slaughtering Prices.

The *Wholesale Meat market* continues well supplied, and at low figures, the quality of the meats in our markets are always A No. 1—this week prices are few

Beef, American, 1st. quality	6½ — 7 cts
do. do. 2d. do.	4 — 5 do.
do. do 3d. do.	3½ — 4 do.
Veal	6 — 8 do
Mutton	4 — 4½ do
Lamb	7 — 10 do
Pork, Undressed	4 — 4½ do
do. Dressed	6 — 6½ do

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED ACcommodations for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU March 17th, and every fourth week thereafter.

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports; also, HAVANA and all WEST INDIES ports on 5th and 20th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

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AUZERAIS HOUSE,

SANTA CLARA STREET, SAN JOSE.

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Auzerais House Coach and Carriages always in Attendance on arrival of trains.

TO DRUGGISTS AND APOTHECARIES,

THE GREAT EUCALYPTUS REMEDIALS.

These wonderful and truly successful medicines that have been so promptly effectual in curing Bilious and Liver Complaints, Rheumatism, Neuralgia, Fever and Ague, and Dyspepsia, can now be supplied in any quantity by

MESSRS. CHARLES LANGLEY & CO.,

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WHOLESALE AGENTS.

Messrs. Langley & Co. will supply Druggists and Apothecaries of our State and Coast with these GREAT REMEDIALS at shortest notice.

WARREN & CO.,

SOLE AGENTS FOR THE UNITED STATES.

C. P. R. R

COMMENCING

SUNDAY, JUNE 8th, 1875.

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma. (Arrive 5.55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland, for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12.55 P. M. (Arrive 6.35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 5.55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 9.35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Caliente and Los Angeles Also at Niles with Train arriving at San Jose 6.55 P. M. (Arrive 12.40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily (Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND.

"Daily"—7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M.; 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.

"Daily, except Sundays" 6:10 A. M. and 11:45 P. M.

"Sundays only"—10:30 and 11:30 A. M.; 12:30 and 1 30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4.00 5:00 6:00 and 10:30 P. M.

"Sundays only"—11:00 A. M., and 1.20 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M.; 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—7:30, 8:30 and 9:30 A. M.; 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—6:30, 11:00 A. M. and 11:45

"Sundays only"—10:30, 11:30 A. M. and 12.30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5.40, 6:40, 7:50, 9:00 and 10.10 P. M.

"Daily, except Sundays" 5:10 and 5:50.

"Sundays only"—11:40 A. M., and 1.25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:05 and 9:00 A. M.; 3:00, 3.58, 5:00, 6:05 and 7:00 P. M.

"Daily, except Sundays"—5:00, 5:40, 11:50, A. M., and 1:50 P. M.

"Sundays only"—10:00, 11.00 A. M., 12:00 and 1 00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—6:55, 8:00 and 11:05 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7 20, 7 50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11.50 A. M.; 12:50, 2:50, 3:20, 3.50, 4:20, 4 50, 5:20, 5:50, 6.30, 6:50, 7:20, 8.00, 9:10 and 10:20 P. M.

"Daily, except Sundays"—5:20 A. M. and 1 50 P. M.

"Sundays only"—10:20 and 11.20 A. M., 12:20, 1:30 and 1:35 P. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad

NORTHERN DIVISION.

Winter Arrangement.

Commencing Monday, December 5, 1878,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows:

8:30 A. M., Daily for San Jose, Gilroy Hollister Tres Pinos, Pajaro, Salinas, Soledad and all Way Stations.

AT PAJARO connects with the SANTA CRUZ, R. R. for Aptos and Santa Cruz.

At Salinas connects with the M. & S. V. R. R. for Monterey.

Stage connections made with this train.

10:40 A. M., Daily for San Jose and Way Stations.

3:30 P. M., Daily, (Sundays Excepted,) for Gilroy.

4:40 P. M., Daily for San Jose and Way Stations.

6:30 P. M., Daily for Menlo Park and Way Stations.

The extra Sunday train to San Jose and Way Stations is discontinued for the Winter season.

EXCURSION TICKETS to San Jose and intermediate points and return sold on Saturdays and Sunday mornings—good for return until following Monday mornings.

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 4:00 P. M. daily, and making close connection at GOSHEN for Bunnar, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton Colorado, River and YUMA.

S. P. R. R.

(NORTHERN DIVISION.)

SPECIAL ANNOUNCEMENT.

Commencing Saturday, July 13, 1878.

EXCURSION TICKETS

Will be sold by this Company from

SAN FRANCISCO

—TO—

San Jose and other Points and Return,

At Greatly Reduced Rates.

Tickets to San Jose, good for Return by either the Southern or Central Pacific Railroads.

These tickets will be sold ONLY on SATURDAYS and SUNDAY MORNINGS.

The RETURN TRIP Ticket will not be good for passage after the MONDAY following the date of purchase.

Ticket Offices—Passengers Depot, Townsend Street and at Valencia Street Station.

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Tk't Agent.

NOTICE—SAN JOSE Excursion Tickets (via C. P. R. R.) can be purchased at the Offices of the Central Pacific Rail Road, Oakland Ferry, foot of Market Street, San Francisco, also, at the several Ticket Offices in Oakland. 45 8

1854. 1879.

THE

CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its twenty-fifth year with 1878, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast

The California Farmer

Established in 1854, has been the PIONEER HERALD of the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on the Coast—this was at Sacramento in the year of 1852, and the the GRAND FAIR at San Francisco in 1853—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

THE CALIFORNIA FARMER was the first and only advocate of SILK CULTURE, TEA CULTURE, COFFEE CULTURE, COTTON CULTURE, and the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS, and this was in early years when the masses lightly esteemed all such enterprises.

THE CALIFORNIA FARMER was the first and only advocate for the planting of the ALFALFA as a forage plant, and the first to introduce the seed and its culture, and not only this grass, but all other valuable grains and forage plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STONED WHEAT, of SUMMER FALLOW, of SUBSOILING, and of DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL—doctrines that have now, after long years of trial become the basis of true and successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE OF AGRICULTURE, which such years of labor merit, our JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

The TERMS OF THE CALIFORNIA FARMER being placed at a low price, should induce, as we trust it will, a generous addition to our LIST OF SUBSCRIBERS for the year of 1879.

Desirous of placing this old PIONEER AGRICULTURAL JOURNAL, (The only exclusive AGRICULTURAL JOURNAL of the Pacific Coast), before the people at so low a price that all can have it, we make the following

Terms for the Year 1879.

And With Seed Premiums.

Single Copies,	$1 00
Six Copies,	5 00
Ten Copies,	8 00
Twenty Copies,	15 00
Fifty Copies,	35 00

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Will have their Papers Delivered at their Residence or Post Office Box, as they may desire.

California Farmer, 1879.

OUR NEW CLUBBING LIST.

We propose for the year of 1879 to offer to our Patrons the following valuable JOURNALS in connection with our own, all at reduced rates, so as to give them the best works at low rate—(all postpaid). Price per year.

The FARMER and VICK'S MONTHLY MAGAZINE	$1 50
The FARMER and AMERICAN AGRICULTURIST	3 00
The FARMER and POULTRY JOURNAL	1 50
The FARMER and RURAL NEW-YORKER	4 00
The FARMER and PHRENOLOGICAL JOURNAL	3
The FARMER and AMERICAN BEE MAGAZINE	1 50
The FARMER and SCIENTIFIC AMERICAN	4 00
The FARMER and HARPER'S MONTHLY	7
The FARMER and HARPER'S WEEKLY	
The FARMER and HARPER'S BAZAR	
The FARMER and HARPER'S THREE WORKS	

[Others to be added.]

WARREN & CO.,

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SAN FRANCISCO.

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CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, APRIL 17, 1879. NO. 7.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

No. 320 Clay St., (up Stairs) Below Battery,

SAN FRANCISCO.

TERMS OF SUBSCRIPTION:

BY MAIL FOR ONE YEAR, $4; FOR SIX MONTHS, $2. For a Club of Five new Subscribers, a Sixth copy will be sent gratis. When payments are delayed six months, $1 additional per year will be charged, and $1 each year also, for every year delayed thereafter.

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EUROPEAN.

From our Special Correspondent.

PARIS, January 30, 1879.

PRESERVING GRAIN IN THE SOIL.

In Algeria, the Arabs preserve their grain in hermetically closed furrows in the soil. The late M. Doyere, introduced the principle into France, by employing oblong cases in iron, placed in the soil, but in a position to allow of the grain having a fall to run out. In these longitudinal cisterns, there are two "man holes," to fill and empty, respectively; the grain must be matured and dry before being stored, and it will keep for years, unaltered by evaporation or insects, if the external air be excluded. M. Velter, of the Central School of Arts and Manufactures, estimates at 5 per cent, the material loss resulting per year, from grain as ordinarily magazined. M. Bella extends the plan, to fitting up ground floors, and cellars of out-offices, with rectangular and sheet iron reservoirs, while securing the grain from atmospheric and other injuries.

URINARY FERTILIZERS.

The experiments of Boussingault, Stohman, etc. have demonstrated, that while the urine of carnivorous animals is rich in phosphoric acid, that of herbiverous animals has rarely any. Liebeg accounted for the absence, by the alkalis of the urine being unable to dissolve the phosphates of lime and magnesia. At the university of Leipsic, some experiments were recently executed to call in question Liebeg's explanation; from where it follows, that when an herbiverous animal is submitted to its ordinary dietary, the liberated phosphoric acid, is eliminated, not in the liquid, but in the solid excrements. Vegetables are very rich in alkalis, united with carbonic acid, which cannot dissolve the lime phosphates, and so allow its acid to pass off; but if phosphates of potassium be added to the forage, the phosphoric will be eliminated freely in the urine.

LIGHT—IS PLANT LIFE.

Since ages it is known, that solar light is indispensable to vegetation, and efforts have been several times attempted to secure the best conditions for plants exposed to solar action. The colors of plants have been modified, by moderating the intensity of the light to which they have been subjected; hence, resulted the experiments, to determine, what were the exact rays of light most directly beneficial to vegetation; as revealed, by placing plants under glass of various colors. M. Paul Bert has continued experiments on this subject, and while the problem is not exactly solved, he has demonstrated, that they are the red rays which form the basis of the phenomena of vegetable life-transforming food, building tissue, while the united rays, that constitute white light, are not less essential for the healthy existence of the plant.

CHEMICAL MANURES.

A. M. Lacroix raises some very sensible reflections by his manner of treating chemical manures. He lays down, that the farmer himself is the most reliable chemist for his soil's composition and of the manures requisite to ameliorate them. He does not deny, that a chemist can indicate the absence of potash and phosphoric acid in the soil; he insists that manufacturers of fertilizers can only prepare the raw materials, their mixture ought to devolve on the cultivator himself. It is rarely that an ordinary farm has great diversities of soil, so M. Lacroix's plan consists, in staking off a few yards of a field, applying specimens of chemical manures under common conditions, and acting on the patent results. Failure will thus be obviated. He has by this means found out exactly what his meadows required, and has had a net increase on his expenditure in fertilizers, equal to 50 francs per acre. His experience in applying the chemical manures is, to scatter ⅔ of the quantity in April, for the first cutting of forage, and the remaining ⅓ ten days after that cutting has taken place.

PHYLLOXERA, BEET SUGAR, ETC.

Taking advantage likely of the sleep of the phylloxera, may account for the industry in the matter of cures. The main point is, to destroy the bugs in the soil, that eat the roots of the vines. Only sulphuret of carbon and inundation, effect this desideratum so far. In the department of Herault 30,000 acres of diseased vines have been treated with sulpho-carbonates but without success. In that same region, and also in the South of France generally, sufferers have great confidence in the resistance of American stocks.

The beet sugar making season is terminated, and has not been satisfactory. In 1877, the mean average richness of the juice was 3·9; for the year just closed, it was 3·6. The year 1879, in point of agricultural prosperity, cannot have much difficulty to surpass its predecessor; it will witness important studies in the system of agricultural education, and also in the opening up of internal routes of communication, and the extension of a net-work of canals, ostensibly for irrigating purposes. As for enhanced prices for agricultural produce, these will be largely influenced by the treaties of Commerce down for execution. French farmers on the whole do not make more than 5 or 7 per cent. if so much, on the capital invested in their undertakings.

[CONCLUDED]

[EDITORIAL.]

WEALTH OF OUR COUNTRY.

The rapid accumulation of gold in the Treasury of the United States now estimated at $400,000,000 with the steady and immense sales of the 4 per cent U. S. Bonds is a clear proof of the rapidly increasing wealth of our Country, in spite of all the cry of "stagnation of trade" "hard times" bankruptcies, etc.

The great facts before us that our *Exports* were *Three Hundred Millions of Dollars* more than our *Imports* for 1878, and the almost certainty of their being much larger in 1879, shows the sources whence comes the gold that purchases the U. S. Bonds, which formerly was sent to Europe for sale.

This vast increase as is shown in two years of over *Six Hundred Millions of Dollars* to our National wealth, is rapidly being felt in the reduced rates of interest, which will soon be shown by an increased desire for investments that will pay more than 4 per cent. This it is hoped will lead our capitalists to turn their attention to our manufacturing interests, ship building, mechanical inventions, Railroads and other internal improvements, for this now very rapidly increasing wealth of the country must be employed, and so great is it that all the Bonds that the United States can offer will be taken, and even then, millions will be left seeking other investments.

A little reflection will readily prove this; the next *three years* our *Exports* will exceed our *Imports* by more than *One Thousand Millions of Dollars*, and the greater portion of this will seek investment, and this is *independent* of the other sources of wealth and increase of capital in our Country by manufactures, trade, commerce and home prosperity, therefore we can safely say that as the people of England and France purchase and hold all the "Consols" of their own countries, so the people of the United States will soon hold and control in our own country all the "Bonds of the United States" as the safest, best and most certain investment of capital that can be made—and we venture the assertion that within ten years, and even less, *United States Bonds* will command a higher premium than any other Bonds in the world.

Railroad and Canal Freights.

We have received from the Scientific American Agency a full series of the discussions before the New York "Board of Trade" upon the subject of the "Tariff of Freights" upon the Railroad and Canals of our Country, this series of discussions are from the leading men of our Country and are most ably presented, every argument is presented in a most exhaustive manner, and all for the Regulation of a Tariff by Law—at early day we shall discuss the subject.

Thanks to Messrs. Munn & Co., and the N. Y. Board of Trade for these documents.

OUR STATE IN DANGER.

TO THE RESCUE.

The "Golden State" is in danger, and the watchword of every man who values his "Birthright" or who would battle for his "Home" must now awake to his duty and come to the rescue, for the *danger* is immediate and the *perils* many and near at hand.

SAVE THE SHIP.

Our "Ship of State" is among the "Breakers" and upon a "Piratical Coast," and it is now surrounded by ten thousand "Wreckers," ready with *false lights* to lure the ship upon the rocks, so they may destroy it and seize the cargo as their spoils.

FARMERS, TO THE RESCUE!

It is our special duty to send out a warning voice to our FARMERS that they may save their "Homesteads" from the pirates of our land, who would take from them—their "Homes"—pirates that would wrest from them the fruit of their labors of long, long years, and it is for this reason, in this "Hour of Danger," that we send out a warning voice to the *farmers of our State*, and say to them,

TO THE RESCUE! TO THE RESCUE!!

Farmers, remember that however many long years you have labored and toiled to build up a home for your wife and children, now in this "Hour of Peril," your "Homes" which are your "Birthright" are in danger. Every vote tells, and remember also that there are thousands everywhere, who are ignorant, who cannot read or write, and who pay no taxes, own no homes, and yet *whose votes* tell equally with your own—now it is your *duty* and your *opportunity* to win such unfortunates from error, and lead misguided men to help you in this great work.

FARMERS, TO THE RESCUE!

Plead with the ignorant, instruct, lead, guide them in the right way, and win them to help you in the great and important duty that is now of so much moment in this "Hour of Peril" to our State.

WE ARE NO POLITICIAN,

We plead for no party, sect or creed, we plead to save our "Farmers' Homes," to save their lands from unjust and double taxation, we plead to save our farmers from falling into the hands of designing and corrupt politicians who would destroy the bright hopes ever vouchsafed to the *laboring man*, and that too, when the *Spring time* opens up to them the most cheering prospects of a bountiful year ever yet presented to our State.

FARMERS, TO THE RESCUE, AGAIN!

We have never taken part in any political warfare yet, because it is not our province to do so—but we do not look upon the present great warfare as a mere *political fight*, we esteem it a war of designing persons who are about to wrest from us our "Birthright."

Our present Constitution which is safe and sure, and which has stood the winds and storms of nearly thirty years and carried us safely onward, and to give us instead, a "Ship of State" that has many a worm eaten plank from the deck to the keel, that will surely founder our ship and wreck us upon the rocks of ruin upon a lee shore.

Farmers, read the article in another column upon the matter of "Double Taxation Upon Your Lands," which is all important for you to know—and once more we say to you,

FARMERS, TO THE RESCUE.

☞ SEND THE FARMER ABROAD. ☜

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, to send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a JOURNAL as the CALIFORNIA FARMER. We know our JOURNAL is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the HOME CIRCLE everywhere, as a JOURNAL free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, SPECIAL PREMIUMS OF SEEDS are donated with the paper, to benefit our State.

BLIGHT UPON OUR FARMERS.

Every year our farmers have been more or less the sufferers from some blight upon their grain or other crops, and their orchards and vineyards have suffered by some *insectioverous pest*.

THE BLIGHT OF 1879.

At the present time we think we see a NEW BLIGHT that now threatens them unless prompt measures are adopted to remove the threatened blight, and crush the *eggs* of the insidious insect before they can come into life.

The *blight* that now threatens all the interests of our *farmers* and we can add all the *industrial interests* of our State, comes from the attempt of interested parties to force upon the people of our State a

NEW CONSTITUTION.

The advocates of the *new Constitution* cannot show to our people that it is superior to the old Constitution, even with some few things which the incoming Legislature could add to the old, while the new Constitution contains many sections which would work great and lasting injury to our farmers, and to all the best interests of our State, in another column of this paper we have shown how the new Constitution *doubly taxes* the farmer for his lands, we have also shown how it deprives all the great *Industrial Societies*, our State, and District Agricultural Societies of all aid and encouragement, which all other States accord to such Institutions, we have also shown that all benevolent and charitable Institutions are shut out from that parental aid and fostering care which it should be the duty and glory of our State to give, these are the reasons why we say that there is and will be

BLIGHT UPON OUR FARMERS.

Yes! if our farmers are neglectful of their high duty to examine well the great evils that threaten them now, if they fail to see these evils and fail to labor to avert them, by an earnest and united effort in every farming district, to come together one and all and put their seal of condemnation upon the NEW CONSTITUTION by that great emphatic word NO! openly, boldly and everywhere NO. If they fail in this duty they may prepare to see around them, even with all Nature's glorious promises of a most bounteous harvest everywhere, a blight and a mildew that shall destroy the most glorious promises that was ever yet accorded to them in this State.

We have conferred with hundreds and thousands over our State, and we have no hesitancy in saying that such is the fear and dread of the future if the new Constitution should be adopted that hundreds and thousands who are now *here* would leave our State to find a place free from *misrule*.

Should the new Constitution be forced upon the people a *blight* would strike every interest, from which our State would not recover in TEN YEARS; and the greatest evil would fall upon our FARMERS, and it is to them we now appeal, and ask them in all earnestness *for their own good* to come to the rescue from this impending blight.

We name this evil at the head of this article "A blight upon our farmers" and we feel sure that if what we esteem would be a great calamity, the adoption of the *New Constitution* should take place it would so fearfully effect the farmers' interests that it would be worse than the "Rust in our grainfields" the "smut in our cornfields" the "rot among our potatoes, the canker worm and the caterpillar upon our fruit trees," "the Phylloxera in our vineyards," "the worm in our hop fields," "the scab in the sheep fold" "the distemper among our horses, cattle and swine" some of these evils are occasionally blights upon the hopes of many a farmer—but these evils come singly, and farmers can bear them singly, but if this NEW CONSTITUTION should most unfortunately be forced upon our people our farmers would find the combination of evils so great that it would be like having all the fearful evils we *have named* fall upon them at once, and crush out all hope of a recuperation.

For the reasons we have given in several other articles relative to the injury the *new Constitution* would inflict upon our farmers, we appeal to them earnestly to defeat it, and pray they may, boldly, unitedly, and nobly, every man vote—NO!

The Great Agitation.

For the NEXT THREE WEEKS our whole State must be agitated more or less from one end of the State to the other, during this time nearly all business will be laid aside, ordinary pursuits dropped, and many of the comforts and enjoyments of social life neglected, so that discussions on the CONSTITUTION, Registration, and political labors may be attended to.

So great has the excitement become, and so absorbed is the public mind now enrapt in this great question of the CONSTITUTION, that it is indeed a mania, and perhaps rightly too, for there can be no question but that the very PROSPERITY OF THE STATE depends now upon it.

When we look at it, the more we review it, as we see who are battling we feel sure that all the great and vital interests of our State *demands* that the OLD CONSTITUTION should be preserved and the *new* defeated.

We call special attention to the several articles upon this question, in other Columns this week.

Walter Brown & Son's Monthly Wool Circular.

NEW YORK, April 1, 1879.

As indicated in our last circular, the wool market has run an even course through the month just closed, with little animation except in the middle grades of wool, which have been much sought after, and are consequently at present in very light stock and held at full market rates. Holders of other grades and descriptions of wool, who with considerable tenacity and persistence have carried their wool rather than sell them at losing prices, have been induced to meet the views of buyers, preferring, at whatever loss, to enter the approaching wool season with empty lofts, thereby implying their belief in low ruling prices for the coming year. Consignors, also, whose accounts have been carried along through the year,, are wishing to see their balance-sheets, of the tenor of which they may very naturally have serious forebodings. As the wool markets have been for the past two years, and are likely to be for the future, wools which are consigned should be promptly sold, for by speedy returns only can the commission business in wools be made satisfactory to shippers.—There is no probability that wools for the future will pay for carrying any longer than is necessary to place them favorably on the market and obtain fair current value; consequently, wool should be purchased in the country at prices which show a margin on its value in the Eastern markets, and should be turned into cash as nearly as possible on arrival—thus avoiding loss in interest, insurance and other incidental expenses. Wool dealers East and West are beginning to realize the importance of making quick turns in order to secure even small profits, and that the days of large percentages in the wool trade are already becoming matters of record. There are also strong indications that the growers, especially those who are careful in putting up their fleeces, will ship their clips of wool to market to be sold direct to consumers. It is evident that the new clip of wool should open at considerably lower prices than last year to make it profitable or even safe to handle, and if it is not bought with great caution and at low figures, it is probable that we shall again see a repetition of the losses of the past year.

PULLED WOOLS.—Good conditioned and well graded lots of super pulled wool have met with ready sale without material change in prices, and most desirable pullings are closely sold up.

CALIFORNIA WOOLS.—As we are on the eve of the new clip of these wools, holders have been particularly desirous to close out old stock, and have pressed sales of wools on hand. The stock is now limited, and the market in good shape to receive the new wools. Considerable sales have also been effected in Oregon wools at reduced prices.

TEXAS WOOLS.—The assortment of these wools is mostly of an undesirable character, and is held relatively above its value.

Tub Washed Wool.

Choice	35 @ 37
Fair	30 @ 34
Inferior and Burry	27 @ 30

Pulled Wool.

New York City extra Pulled	30 @ 33
New York City super Pulled	31 @ 33
New York City Lambs Pulled	29 @ 32
Western super and extra	26 @ 30
Country extra Pulled	32 @ 36
Country super Pulled	33 @ 37
Country Lambs Pulled	31 @ 34

New Mexican and Colorado.

	Superior.	Average.
Washed	20 @ 23	16 @ 19
Unwashed	19 @ 23	16 @ 19
Black	12 @ 15	11 @ 12

Oregon and Southern States.

Unwashed Clothing, average quality	20 @ 25
" Combing, " "	22 @ 26

California.

Spring Clip, fine	20 @ 25
Spring Clip, medium	20 @ 25
Spring Clip, low grades and burry	14 @ 18
Fall Clip, A 1	12 @ 17
Fall Clip, low grade and burry	10 @ 14

Texas.

Fine Eastern	20 @ 24
Medium Eastern	19 @ 24
Fine Western	17 @ 19
Medium Western	15 @ 18
Inferior	14 @ 16

Foreign Wools.

Cape of Good Hope	25 @ 28
Buenos Ayres Merino and Mestiza	25 @ 27
Montevideo Merino and Mestiza	27 @ 30
Australian Clothing	34 @ 37
Australian Combing	35 @ 38

Vermont Merino Sheep Breeders' Association

First Vol. Register, 395 pages, 22 plates, substantial leather binding, contains history of importation and improvement of Merino Sheep, register and pedigrees of 572 stock rams, with pedigree and history of over 200 flocks, pure bred, improved Spanish Merino Sheep. Sent postpaid on receipt of $2.00. ALBERT CHAPMAN, Sec., Middleburg, Vt.

BE TRUE TO CALIFORNIA.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have GRAIN to sell and to keep.

HOW WE SAVED THE OLD FARM.

CHAPTER IV.

And now let me give you some description of this farm, which was of so much importance to us. Imagine an old-fashioned two-story house, that had once been painted red and now was sadly in need of painting again, standing a little back from the road. No blinds, no piazza, the windows small, and with small glass. The massive chimney in the centre, two front rooms facing the west, one each side of the front door, opening out of it into each front room, a bedroom at one end of the kitchen, a pantry at the other, and the chamber stairway by the side of the pantry, while the cellar-stairs went down under them, from a door opening out of the porch. The porch was on the north-east corner of the house, and contained a wash-room and a wood-room. There was a corn-barn a little way from the house, and another building, in one end of which was a piggery, and in the other a small hen-house. Beyond these, the barn, low, unpainted, about thirty feet long and twenty-eight feet wide. The great doors opening to the west—the buildings all stood upon the east side of the road—a small door at the south-west corner, giving entrance to the horse-stall, and one at the south-east, opening into the cattle stables. At the south side was the barn-yard, surrounded by a high board fence; no shed, no cellar, and no watering-place. The cattle and horses were turned into the pasture twice every day to drink from a brook a few rods away, unless it was such bad weather that it was better to bring water from the well at the house. Around the buildings were a number of apple trees that stood where they stood in the days of my grandfather, though many of them had long been so much decayed at the heart that the hens had stolen their nests and reared broods of chickens in their capacious trunks, gaining entrance where large limbs had been cut off near the ground. As for the land, I can give you no better idea than by reproducing here a sketch of the fields, which Clarence made a short time after he took charge of the farm. I know not whether he took the idea from something he had read, or from his talk with the squire, but I give it, as I found it a short time ago, in an old ledger which had been my father's and his father's before him, but which their scanty accounts had never filled:—

"Field No. 1, around the house, called Six Acres, but as the buildings take up some room, the yards more, upon which we get no grass, I shall call it Five Acres, from which we got last year four loads of hay that father called four tons. Slopes to the west; has not been ploughed for many years. There are twenty apple trees, which are all old and do not bear much. I must trim them up and try to make them last until I get a new orchard bearing.

"Field No. 2, back or east of the barn; about four acres, very rocky, sloping to the north and west. Here I mean to put the new orchard. We cut two tons of hay last year on this field. I don't know when it was ploughed last.

"Field No. 3, side of road, north of barn; about two acres, runs down to the river. Was sowed to grass two years ago, after raising potatoes and corn, and cut last year two large loads of hay, part clover. Between this and No. 2 is a lane which goes from barn-yard to pasture. No. 2 does not go quite to the river, and the cows go on the north and east of it, and No. 1 and No. 4.

"Field No. 4, south of Field No. 1, eight acres, runs from road back to pasture; slopes to south-west. Father had corn there last year, and we got two hundred and sixty baskets of ears of good corn, besides the small corn that we fatted the cows and pigs on. East end is sandy, but the squire said it was good land if it only had manure. It is now in rye, which father sowed among the corn.

"Field No. 5, across the road from barn, between pond and road, about two acres, but the side next the pond is too wet to plough. Father has always had a garden of about an acre next the road, and the rest cuts about a tun of rather poor hay. Father used to wish the rocks in field No. 2 were built into a wall along the side of the pond, and some of the gravel from the hill in the pasture was put on the land below the garden, but he never began it and I don't know as I ever shall. I suppose it would take many loads of gravel and a great deal of work to build the wall.

"Field No. 6, twelve acres, south of No. 5; north end slopes to the south, but most of it is nearly level; a wet, miry place in the middle, which I never knew to be ploughed, running from road to pond. Father had about two acres in north-east corner and three on south edge, being the two driest parts of it, planted to potatoes, and we had about three hundred bushels of good ones. On the rest we cut six loads of hay, what we call 'Deacon English.' If it were drained, the squire says, it would cut more grass than all we cut now, and I mean to do it if I live.

"Field No. 7 is properly a part of the pasture, being a three-acre lot of bog meadow, lying by the side of the river, a quarter of a mile north-east of the house, on a little brook that runs out of the woodland. I think the mud is very much like the meadow-muck, or peat, that I read of in the papers as being so good to put into the manure heap. I shall ask the squire about it, and if it is I shall draw out a lot of it when I get a chance. The cows go in there and eat a little when the grass first starts in the spring, and again after we have moved it; but it is so coarse they do not like it very well. We cut four or five loads of bog hay, which we mostly use for bedding. Do not always mow the farther end of it, as it is more work to pole it to shore than it is worth. I wonder if it is possible to do anything with it but to dig mud out of it to put into the barn-yard, and cut bedding off of it? Must ask the squire about that, and about cranberries. And I must read all I can about the cranberry business, for I think it pays great profits, and I may have a chance on some of these lots to try it.

"Field No. 8, pasture and woodland, east of all the rest. There ought to be eighty-three acres in all, of which thirty or forty may be covered with wood, and the rest very poor pasture. It is much larger than the squire's pasture, and he keeps about twenty cows, while here four have hard work to find enough to eat. It does not do to turn the oxen in with the cows, but we have to put them into the mowing fields after haying, and have to put the cows into them, too, as soon as we ——

"We cut then what we called fifteen tuns of hay, besides the bog in the pasture, and with that and the corn-fodder we make out to keep the horse, yoke of steers, and four cows. Ten years from now I mean to tell a different story, if I live and do well."

Now you see what a task this boy had placed before himself, and, in part, how far his ambition reached ahead.

[CONTINUED IN OUR NEXT.]

An Asparagus Bed.

[Asparagus is now becoming very plentiful in our markets, the price ranging very low, selling at 75c. to $1 the box of about 60, 75 lbs. the quality is excellent, large and fine, it must be borne in mind that the full tender *green* asparagus is the only kind that should be eaten, the *white* asparagus is more or less poisonous and should never be eaten.

E. P. Roe, a skillful cultivator and nurseryman as well as a good writer on gardening subjects lately gave his views on asparagus, the manner of preparing the beds, the planting and culture, which were published in *Harper's Magazine* for this Month, which we herewith give, as it is valuable teaching, there is no one vegetable eaten that contains more nutriment or is more healthy than Asparagus.—Ed. F.]

He who lives in the country and has no asparagus bed has at least one heavy sin of omission on his conscience for which he never can give an adequate ex- —— If the man who does "not provide for his own household is worse than an infidel," he that will not "bother" with an asparagus bed is anything but orthodox, and yet can not call himself a rationalist. Some are under the delusion that an asparagus bed is an abstruse garden problem and an expensive luxury. Far from it. The plants of Conover's Colossal (the best variety) can be obtained of any seedsman at slight cost. I have one large bed that yields almost a daily supply from the middle of April till late in June, and I shall make another bed next spring in this simple way: As early in April as the ground is dry enough—the sooner the better—I shall choose some warm, early, but deep soil, enrich it well, and then on one side of the plot open a furrow or trench eight inches deep. Down this furrow I shall scatter a heavy coat of rotted compost, and then run a plow or pointed hoe through it again. By this process the earth and compost are mingled, and the furrow rendered about six inches deep. Along its side, one foot apart, I will place one-year-old plants, spreading out the roots, and taking care to keep the crown or top of the plant five inches below the surface when level; then half fill the furrow over the plants, and when the young shoots are well up, fill the furrow even. I shall make the furrows two feet apart, and after planting as much space as I wish, the bed is made for the next fifty years. In my father's garden there was a good bed over fifty years old. The young shoots should not be cut for the first two years, and only sparingly the third year, on the same principle that we do not put young colts at work. The asparagus is a marine plant, and dustings of salt sufficient to kill the weeds will promote its growth.

WHERE OUR GRAIN AND FERTILITY GO.

Of the 42,182,102 hundred weight of grain imported into Great Britain during the nine months ending Oct. 1, 1878, nearly sixty per cent. came from the United States. This is a grand market, it is true, and has apparently added much to our wealth. But in reckoning up the millions of dollars brought in the country from this source, let us not forget what it has cost. Have we a full equivalent for the departed fertility of the millions of acres of grain land of Ohio, Illinois, and others of our once great grain producing States? What has become of that fertility? It has gone out in these same cargoes of wheat that figure up so beautifully in the columns of the commercial papers. But what is to become of the golden eggs when we sell the goose that laid them? We do not wish to be classed as croakers; but when we see the wheat-yield of a section drop from an average of 25 bushels to the acre down to 10 bushels per acre, and the farmers crying to the government to help them by new laws on finance, the time has come when the cause of agricultural depression should be pointed out and a remedy suggested as we have several times tried to do, by showing that we should pay more attention to cattle feeding and meat production, thus consuming the crops on the land. And this can be done without lessening the grain product; indeed, as was found from the "wheat reports" published last month, cattle-raising in connection with grain-growing will greatly increase the yield of wheat and corn, greatly to the pecuniar advantage of the farmer. This course was the means of placing English and French farming so far ahead of ours in proportionate products, and if generally adopted here, as the present and prospective demand for cattle for exportation permits, it will do as much for American agriculture as it has done for that of Europe.

Albert Chapman, Middleburg, Vt.

Large experience in purchasing and shipping Merino Sheep, and an intimate acquaintance with all the recorded flocks in Vermont. Will carefully select and forward for reasonable commissions large or small numbers.

REAPER AND BINDER TRIAL.

A large number of farmers and others interested in farming pursuits visited Mr. Nicholas's paddock at Barnedown, about three miles from the Goornong railway station, on Wednesday, the 4th inst., for the purpose of witnessing a trial of reapers and binders, exhibited at the late Bendigo Agricultural Society's show. The day was fine, though a very strong wind was blowing, and the crop selected for the trial was in first-rate condition, affording a better and fairer chance to each machine than did the crop at the last trial at Woodstock on London. As regards the site on this occasion, however, no one could complain, the ground being beautifully level, and the crop first-rate, albeit rather favored with thistles. Four machines were on the ground, Mr. W. A. Wood's, M'Cormick's, W. Watson's, of Corop (entered and worked by maker and exhibitor), and Osborne's. Each machine had five acres allotted to it, and the work commenced at half-past eleven o'clock. At first sight, to a superficial observer, the M'Cormick machine was the best; but on close examination that of Wood's was far superior to any on the ground as regards lightness of draught, simplicity of mechanism; the cost of renewing the apparatus for cutting, twisting, and binding being something under thirteen shillings. Wood's did its work to perfection, the ground being left remarkably clean, while the sheaves were well and regularly bound and delivered. M'Cormick's machine, although it did its work well, is in no way to be compared to Wood's machine as regards simplicity of construction, and this is an undoubted fact and one that should have great weight with intending purchasers of reaping machines, because a reaping machine out of a place where no competent person is at hand to remedy the evil would be as much use to a farmer as would a breech-loader without cartridges. The next machine worthy of note was that of Mr. Watson, of Corop. This machine was made by Mr. Watson, after a model of Mr. Wood's, which it resembles closely, the delivery not being so strong as Wood's. Osborne's machine was a new one, and worked for the first time, having been put together on the ground on the morning of the trial. It was worked by, comparatively speaking, an amateur, and although it did its work well, was apparently not in favor, and this again was doubtless owing, like M'Cormick's machine, to its cumbersome nature and intricate machinery. One thing we can say in its favor, it bound very fairly. A little before four o'clock the trial finished, and the judges arrived at the following result, the award being given by the point system:—Wood's, 275 points; M'Cormick's, 257 points; Watson's, 230 points; and Osborne's, 164 points. The president then announced that Wood's machine had gained the first prize, a gold medal, and M'Cormick's the second prize, a silver medal.

At the trial of binders, at Inverell, New South Wales, November 30, the first prize was awarded to Walter A. Wood's binder, which obtained 56 points, the M'Cormick which competed obtained only 43.—*Bendigo Evening News, December 4, 1878.*

WHAT A PERFECT ANIMAL SHOULD BE.

A perfect breeding or feeding animal should have a fine expression of countenance. It should be mild, serene and expressive. The animal should be fine in the bone, with clean muzzle, a tail like a rat's, and not ewe-necked, short in the leg. He should have a small, well put-on head, prominent eye, a skin not too thick nor too thin; should be covered with fine silky hair—to the touch like a lady's glove; should have a good belly to hold his meat, should be straight-backed, well ribbed up, and well ribbed home; his hook bones should not be too wide apart. A wide hooked animal, especially a cow after calving, always has a vacancy between the hook-bone and the tail, and a want of the most valuable part of the carcass. I detest to see hooks too wide apart; they should correspond with the other proportions of the body. A level line should run from the hook to the tail. He should be well set in at the tail, free of patchiness there and all over, with deep thighs, that the butcher may get his second round and prominent briskt deep in the fore-rib; well-fleshed in the fore breast, with equal covering of fine flesh all over his carcass so valuable to the butcher. His outline ought to be such that if a tape is stretched from the shoulder to the thigh, and from the shoulder along the back to the extremity there, the line should lie close, with no vacancies; and without a void the line should fill from the hook to the tail. From the shoulder blade to the head should be well-filled up—as we say, good in the neck-vein. Thick legs, thick tails, sunken eyes, and deep necks, with thick skin and bristly hair, always point to sluggish feeders. In cold weather in the month of May, the old silky coat of the straw-yard bullock is of great advantage. If we could get the qualities and proportions I have specified in animals it would not be difficult to make them fat. It would be difficult only to make them lean, when once in good condition. A high-standing, want of ribbing up and ribbing home, with tucked-up flank, always denote a worthless feeder. You must all have observed how difficult it is to bring such cattle into a state for killing. It will take a deal of cake and corn to make them ripe. A great many can never be made more than fresh; it is only a waste of time and money to keep them on.—*M'Combie's Cattle and Cattle Breeders.*

For Farmers' Boys in York County.

By the liberality of Stillman B. Allen, Esq., of Boston, the sum of $200 has been placed in the hands of N. Dane, Jr., of Kennebunk, President of the York County Agricultural Society, to be awarded in premiums as follows: To the boy in York County, not more than seventeen years old, May 1, 1879, $100; to the boy raising the next largest quantity, $50, and to the five boys raising the next largest quantity, $10 each. Entries are to be made with the President of the York County Agricultural Society as above, who has full control of the matter as to conditions, etc. Mr. Allen is a native of Maine who has been successful in business in Boston, and the boys of York county will appreciate this evidence of his interest in their work and success. Now boys, sons of the farmers of old York, go in for the liberal and judiciously distributed prizes.

[We ask the attention of our wealthy citizens to the noble proposition of Mr. Allen, announced above—how much our rich men could do to promote the great interests of our State in this way, who will begin this great work?—Ed. F.]

For Sale.

A special bargain will be offered in the splendid new pattern Farm Wagons and Buggies now on exhibition and sale at the agricultural warehouse of G. A. Davis, 327 Market Street, S. F.

HUNTINGTON, HOPKINS & CO.

Importers of

HARDWARE, IRON, STEEL, COAL, POWDER, FUSE, BELTING, HOSE, ROPE, ETC.,

Milling, Mining, and BUILDING MATERIAL,

RAILWAY SUPPLIES.

COR. BUSH AND MARKET STREETS, SAN FRANCISCO.

No. 52, 54, 56, 58, K STREET, SACRAMENTO.

N. ASHTON & SON'S

Liverpool Fine Salt.

IN UNIVERSAL USE THROUGHOUT THE EASTERN and Western States, and acknowledged far superior to any other brand of factory-filled salt.

Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March:

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth any $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory-filled salt; therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $13, for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams; and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"

For sale by

WILLIAMS, BLANCHARD & CO.,

218 CALIFORNIA STREET,

Sole Agents for Pacific Coast.

43 10

J. M. NEVILLE. G. H. BRYANT.

NEVILLE & CO.,

Bag, Tent and Hose Factory

33 CALIFORNIA STREET,

South-East Corner of Davis Street,

San Francisco,

[Removed from their old place, 113 Clay Street, to their new and enlarged accommodations.]

IMPORTERS, MANUFACTURERS, AND DEALERS IN ALL KINDS OF

Bags, Burlaps, Duck,

Canvas and Cottons.

SCAB AND TICKS

IN SHEEP.

S. H. KENNEDY'S

NON POISONOUS

SHEEP DIP!

Manufactured by

S. H KENNEDY, Omaha, Nebraska, eradicates the pest. This is the only dip that adds to the staple and value of the wool. It will cure the most obstinate cases—diluted 150 parts hot water, and will not cost A CENT A HEAD each dipping. Packed in ONE and FIVE GALLON TIN CANS.

Dip Scabby Sheep in the Early Spring and Summer as that is the time to eradicate the disease from the skin. Fall and Winter dipping will not cure the Scab, it only holds the disease in check, in the Fall and Winter months, the insect that causes the Scab is forcing his way so deep into the true skin that he cannot be reached or destroyed, while in the early Spring the insect comes to the surface of the skin and is easily eradicated by one or two dippings in my Sheep Dip.

Price per Gallon:

TOBACCO DIP	$2 75
HEMLOCK DIP	2 25
NON-POISONOUS DIP	2 25

BOOK SENT FREE TO SHEEP GROWERS.

Address,

S. H. KENNEDY,
OMAHA, NEBRASKA.

Kennard & Forsyth,
Wholesale Druggists and Gen'l Agents,
OMAHA, NEB.

J. McCRAKEN & CO.,
PORTLAND, OREGON.

JAMES MOORE & CO.,
SAN FRANCISCO.

Agents who Sell at Manufacturer's Prices. 49-1

VALUABLE

FARMS FOR SALE.

Valuable Farms in the sunny lands of San Diego County

Those families who desire to leave the cold wintry region of the north and come to a better climate—are invited to the following Farms we offer at good bargains:—

One Farm of 1,500 acres, undivided, can have a great chance to buy this Farm.

One of 320 acres, of rich land of the very best soil, running water, and generally low land, capable of growing any crop wanted, a portion fenced, with fruit trees and vines now bearing.

One Farm of 160 acres of most excellent soil, capable o raising all Tropical Fruits in the greatest luxuriance.

All these Farms are in the Bee-region—and suitable for this interest all sold on easy terms. For particulars address

STEINER, KLAUBER & CO.,
San Diego City, Cal. 49-2

Or CALIFORNIA FARMER Office, 320 Clay Street.

$66 a week in your own town. $5 Outfit free. No risk. Reader, if you want a business at which persons of either sex can make great pay all the time they work, write to particulars to H. HALLETT & Co., Portland, Maine. 47-2

THE RANDALL

Pulverizing Harrow.

UNEQUALLED FOR CROSS PLOWING.

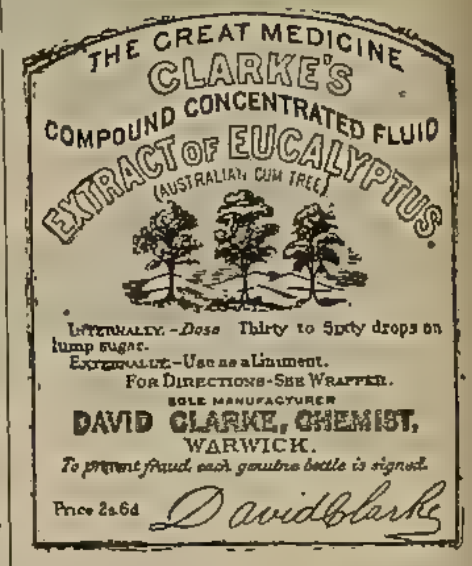
Over 10,000 in Use.

Local agents wanted free on application. Descriptive circulars and price list

Address

Griffith & Burke,
Yolo, Yolo County, Cal.
48:22

The Great Medicine!!



INTERNALLY.—*Dose* Thirty to Sixty drops on lump sugar.
EXTERNALLY.—Use as a Liniment.
FOR DIRECTIONS—SEE WRAPPER.
SOLE MANUFACTURER
DAVID CLARKE, CHEMIST,
WARWICK.
To prevent fraud, each genuine bottle is signed.
Price 2s 6d *David Clarke*

We have appointed for the sale of this Medicine advertised our columns the following

AGENTS:

A. M. COLE,
APOTHECARY AND DRUGGIST,
GEN'L AGENT FOR STATE OF NEVADA.

H. BOWMAN,
APOTHECARY AND DRUGGIST,
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RHODES & LEWIS,
APOTHECARY AND DRUGGISTS,
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M. J. DOLYE & CO.,
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J. W. JONES,
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DR. E. S. HOLDEN,
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HODGE, DAVIS & CO.,
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DR. D. L. MORSE,
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DR. L. H. CUTLER,
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JOHN WOLFE,
DRUGGIST,
AGENT FOR SAN RAFAEL.

GODBE, PITTS & CO.,
DRUGGISTS,
SALT LAKE CITY, UTAH.

E. ELLIOT,
SANTA CRUZ,
TRAVELING AGENT.

J. WIDNEY,
MERCHANT,
SANTA CLARA.

The Remarkable Cures which have been effected by the Wonderful Remedials, known as CLARKE'S EUCALYPTUS REMEDIES from Australia, have, and are exciting a great influence among all those who have long been sufferers by those terrible sources of suffering, RHEUMATISM, NEURALGIA, DYSPEPSIA, and FEVER AND AGUE.

These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.

Be sure you ask your Apothecary for the true Medicine, DAVID CLARKE'S EUCALYPTUS PREPARATIONS The only Genuine article.

WARREN & CO.,
SOLE AGENTS FOR THE UNITED STATES.

LAND PLASTER.

THE GREAT FERTILIZER.

This most excellent material for all Clovers and Grasses, can now be had of the undersigned at the low price of

$12.50 per Ton.

Also—Building Plaster, Casting Plaster, and Terra Alba

For Sale by

LUCAS & COMPANY,
215 and 217 MAIN STREET,
Bet. Howard and Folsom,
San Francisco.

49-2

Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

NEW OR RARE PLANTS.

VARIEGATED ORANGE TREE.

At a recent meeting of the Florida State Agricultural Society, Mr. I. Bidwell, of the Arlington nurseries, exhibited a noble specimen of the variegated orange, which had the fruit as well as the leaves of various colors. It was good to eat and beautiful to look upon.

GERANIUM, ESTHER LEE.

This is an American seedling. The peculiar merit lies in the peculiarity of the leaf which belongs to the zonale class. Instead of the usual brown zonale markings the leaf is made distinct from any other variety by the dark zone being wider and almost jet black, giving the plant a most interesting and unique appearance.

A NEW RACE OF FUCHSIAS.

In Mr. H. Cannell's *Illustrated Floral Guide*, just received, we find among many very interesting things, an account of Fuchsia "Erecta Von Novely," the flowers of which are erect instead of pendulous as generally seen. It is thus described: "Remarkably novel and distinct variety, tube and sepals stained with white, sepals broad and well reflexed, corolla light pink, margined with rose; free bloomer, habit strong and branching; flowers erect and well above the foliage."

THE AMERICAN BANNER TEA ROSE.

This is a striped rose, and is a sport from Bon Silene. It originated with Cartwright, of Dedham, Mass. The Isabella Sprunt which was a sport from Safrano, and the white Bonvardia which was a sport from the red one, have proved very constant under culture, but in the case of the sport Beauty of Glazenwood rose, there was a sad desertion of its true colors in so many cases that it became worthless. How far this may stand has to be tested, but we see that some sports of popular plants have been constant.—*Gardener's Monthly.*

FOLIAGE PLANTS.

EGYPTIAN, CAT-TAIL, EAST INDIA, OR PEARL MILLET.

The best green soiling plant known to the South, from which three to four cuttings can be obtained on good soils. Am now (15th October) making my fourth cutting. These seed were sold in Northern and Western States, last year, at almost fabulous prices, where they cannot be matured, showing how much this plant is appreciated there for soiling and hay purposes. Two pounds of seed will plant an acre.

Price per pound, 50 cents; per mail.

CALIFORNIA, OR BURR CLOVER.

An annual winter plant of the Lucerne family, yielding, on good soil, a most remarkable quantity of earliest green forage; eaten with avidity by hogs and cattle; can be cut as early as the middle of March, land once seeded with this clover need only be broken or flushed every two or three years to retain a perfect stand.

Price per pound (seed in burr), 50 cents, per mail.

LUCERNE, ALFALFA.

The prince of clovers for the south; eaten greedily by all stock; succeeds well on rich, sandy soils, from which three to four cuttings can be obtained annually.

Price per pound, 50 cents.

Strawberries on our House Tops.

Every family that love this goodly fruit can raise their own, if they will but give a little time to the culture of this luxury.

Many an apple box that is so readily converted into fire wood, can be filled with the rich scrapings of the street, and first boring a few holes in the bottom of the box for draining, they can plant six good plants in each box, filling the box two-thirds full of earth and then carefully planting the vines, spreading the roots of each vine star like, so as to allow them to bud upon the soil.

One dozen boxes of this kind upon the roof or balcony of a house, would give a luxurious dish often to a family, and from the new kinds of strawberries with proper care we believe every person can raise specimens of this fruit that would astonish every grower, the new kinds now offered are said to produce fruit from 8 to 12 inches in circumference. Those that feel interested in this system of culture, if they will call at the FARMER office we will lead them to a very successful experiment of this plan, where this fruit is now in bloom, giving great promise of paying well for all care and trouble.

NOW IS THE TIME TO PLANT.

Transplanting Trees.

People who transplant trees are advised to mark the north side of each tree with chalk before it is taken up, and replace it in its natural position. A large proportion will then live since by ignoring this in transplanting, many young trees perish.

Everything that tends to increase the yield of any crop is specially interesting to farmers. Mr. Isaiah T. Clymer, a practical Pennsylvania farmer, claims to have made a discovery by which from 25 to 50 per cent. may be gained in the yield of marketable potatoes. His offer in our advertising columns is therefore worthy of consideration, showing, as it does, his entire confidence both in the value of his system and in the integrity of his fellow farmers, which we are sure they can not but appreciate.

VICK'S ILLUSTRATED MONTHLY MAGAZINE

Each Number contains THIRTY-TWO PAGES of reading, many fine Wood Cut Illustrations, and one COLORED PLATE. A beautiful Garden Magazine, printed on elegant paper, and full of information. In English and German. Price, $1.25 a year; Five copies $5.00.

Vick's Flower and Vegetable Garden, 50 cents in paper covers; in elegant cloth covers $1.00.

Vick's Catalogue,—300 Illustrations, only 2 cents.

Address, JAMES VICK, Rochester, N. Y.

Felix Gillet's Nursery

NEVADA CITY, CAL.

I offer for sale trees of the following varieties of fruit introduced by me in California, and most all on in full bearing on my grounds, viz:

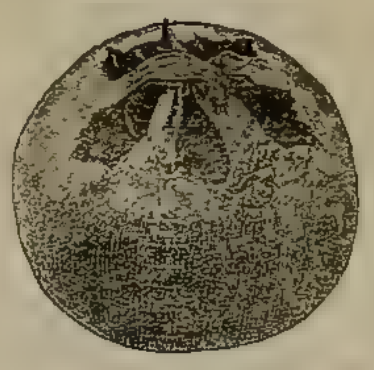
PRŒPARTURIENS WALNUT,

The most precocious of all soft shell varieties of Walnut bearing even when three years old, hardy never frost bitten, a late bloomer, and very productive. First bearing tree in California—at Felix Gillet's Nursery, Nevada City. Fourth crop, 1878.

One Year and Three Year Old Trees for Sale,

One Year Old Trees sent by Mail, at Catalogue Prices, in two feet long packages, Roots 12 inches, Stalk 12 inches.

LATE OR SEROTINA WALNUT,
AFTER SAINT JOHN WALNUT,
MARRON DE LYON CHESTNUT,
MARRON COMBALE CHESTNUT,
ITALIAN,
SPANISH, AND
ENGLISH FILBERTS,
BLACK MULBERRY OF SPAIN.
MEDLAR *(Monstreuse,)*



The largest of all Medlars, standard trees, budded on the White Thorn, five to six feet feet high and ready to bear.

Also, over one hundred varieties of Fruit Trees of all kinds, many of them introduced in California by the undersigned.

Forty varieties of Strawberries, (French, English and American), with full descriptive in Catalogue of 17 varieties carefully selected from 61 varieties tried on my place these last nine years.

☞Send for Descriptive Catalogue and Price List.☜

FELIX GILLET, Proprietor.
48:24

SPLENDID

WEEPING TREES.

It may not be known generally that by the aid of science, all the finest kinds of our DECIDUOUS TREES, used for Ornamenting Grounds can now be had grown in the beautiful pendant form, graceful as the Weeping Willow.

The following, of very extra size and form, can now be had for planting this Autumn.

The WEEPING BEECH, MAPLE, BIRCH, ASH, ELM, POPLAR and LINDEN these are the most beautiful Ornamental Trees known, adding grace and beauty to the surroundings of every home and increasing the value of every estate where they are planted.

The plates and drawing, showing these trees in their growing condition, can be seen and these trees secured on applying to

Warren & Co.,
320, CLAY STREET, S. F.

SANTA CLARA VALLEY

Nurseries,

ESTABLISHED 1853.

Trees---Plants---Shrubs.

I OFFER FOR SALE THIS SEASON A LARGE AND well assorted stock of Fruit Trees, Shade Trees, Evergreens, and Shrubs; also, Palms, Camellias, Azaleas, Japan Persimmons, Roses and Greenhouse Plants in great variety.

PEAR SEEDLINGS, fine..	....$15.00	per 1000
ROSES, in variety, fine.	15.00	per 100
JAPAN PERSIMMON, 5 varieties	25.00	" "
MAGNOLIA, grandiflora, 6x10 in.	18.00	" "
LAURISTINUS, 6x10 in.....	10.00	" "
CHINESE MAGNOLIAS, 2 ft....	8.00	per doz.

Special inducements to large purchasers.

☞Catalogues free on application.☜

BERNARD S. FOX, Proprietor,
San Jose, Cal.

Thomas Meherin, Agent,
516 Battery Street,
SAN FRANCISCO.
48:24 3m

VEGETABLE AND FLOWER SEEDS
SEEDS — EVERYTHING FOR THE — PLANTS
GARDEN
Descriptive Catalogues of 176 pages sent Free
PETER HENDERSON & CO.
35 Cortlandt St., New York.
FLOWER AND FRUIT PLANTS
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BOOKS FOR FARMERS!

BOOKS FOR FARMERS' LIBRARIES

AGRICULTURE,
HORTICULTURE,
FLORICULTURE,
STOCK RAISING,
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With many valuable and interesting works on all branches of each of these Important Industries.

For sale at lowest rates at
FARMER OFFICE,
320 CLAY STREET.

THE DINGEE & CONARD CO'S
BEAUTIFUL EVER-BLOOMING
ROSES

We deliver **STRONG POT ROSES** for Winter Bloom and Fall Planting, *safely by mail*, at all post-offices. Five Splendid Varieties, *your choice*, all labeled, for $1; 12 for $2; 19 for $3; 26 for $4; 35 for $5; 75 for $10; 100 for $13. Send for our **New Guide to Rose Culture**, and *choose from over* **500 Finest Sorts.** Our **Great Specialty** is growing and distributing Roses. **THE DINGEE & CONARD CO.,** Rose-Growers, WEST GROVE, CHESTER CO., PA.
48:18 6t

Choice Grape Cuttings.

Those who desire to have the choicest quality of the famed

"WHITE CORINTH GRAPE,"
—AND
"THE ZANTE CURRANT,"

and a few other varieties of rare kinds of grapes —can secure a collection by sending their orders to the

FARMER OFFICE, 320 Clay Street.

N. B.—Only a small lot for sale.

BEAUTIFUL FLOWERS
A GREEN-HOUSE AT YOUR DOOR

We will send free by mail, and I guarantee their safe arrival in Good Condition, our choice

12 ROSES	12 sorts,	$1
20 VERBENAS	20 "	1
15 Basket or Bedding Plants	15 "	1
10 GERANIUMS	10 "	1
10 CARNATIONS	10 "	1
10 Tuberoses, all Pearl, dwarf and double		1
12 Gladioli, all Flowering Bulbs		1
2 Camellia Japonicas and 2 Azaleas		1
Hundreds of others— CHEAP, and many NEW AND RARE!		

For your choice of varieties, see our 50-page Catalogue, free to all. We also offer an immense stock of Fruit and Ornamental Trees, Evergreens, Small Fruits, Shrubs, etc. Catalogue with Colored Plate, 10c.

6 Hardy Flowering Shrubs	6 sorts,	$1
10 Currant Bushes	3 "	1
25 Raspberry Plants	5 "	1
80 Strawberry Plants	4 "	1
8 Grape Vines	5 "	1
50 Sweet Chestnut or 50 Catalpa Trees		1

26th Year. 15 Greenhouses. 400 Acres.
STORRS, HARRISON & CO., Painesville, Ohio.
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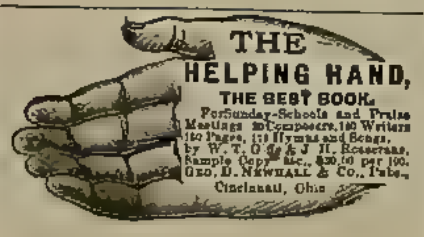

THE HELPING HAND,
THE BEST BOOK.
For Sunday-Schools and Prayer Meetings 20 Composers, 160 Writers 160 Pages, 150 Hymns and Songs. By W. T. O'Kane & J. H. Rosecrans. Sample Copy 25c., $20.00 per 100. GEO. D. NEWHALL & CO., Pubs., Cincinnati, Ohio
48:2

HEARING RESTORED. Particulars free. 9 52
PERRY & HARPER, Madison Ind.

My annual Catalogue of Vegetable and Flower Seed for 1879, rich in engravings, will be ready in January, and sent FREE, to all who apply. Customers of last season need not write for it. I offer one of the largest collections of vegetable seed ever sent out by any seed house in America, a large portion of which were grown on my six seed farms. *Printed directions for cultivation on each package.* All seed warranted *to be both fresh and true to name*; so far, that should it prove otherwise, *I will refill the order gratis.* The original introducer of the Hubbard Squash, Phinney's Melon, Marblehead Cabbages, Mexican Corn, and scores of other vegetables, I invite the patronage *of all who are anxious to have their seed directly from the grower, fresh, true, and of the very best strain.* **New Vegetables a specialty.**

48:21 12t JAMES J. H. GREGORY, Marblehead, Mass.

CHOICE

Vegetable and Flower SEEDS

GROWN FOR PRIVATE FAMILIES, OUR MOTTO I

"TEST IS BETTER THAN TALK."

GARDEN MANUAL, full of valuable articles on growing vegetables, useful hints to lovers of flowers, with price list, sent free to all applicants. Address

J. B. ROOT, SEED GROWER,
48:24 ROCKFORD, ILL.

PEARL MILLET
(THE NEW FODDER PLANT.)

Yields 100 tons green — 15 tons dry per acre.
60c. per pint (by mail, postpaid)
$1.00 " quart " "
By express, buyer to pay charges, $5 per peck.
Statement of our experiments with it, and instructions for culture, free on application.
PETER HENDERSON & CO.
35 CORTLANDT ST., NEW YORK
49:2

JOHN SAUL'S

Catalogue of New, Rare and Beautiful Plants

Will be ready in February, with a colored plate. Many new and beautiful plants are offered, among Dracænas, Crotons, and other fine foliage plants, with a rich collection of Greenhouse and Hot-house plants; Bedding Plants; new and choice Roses; Dahlias, etc. Well grown and at low prices Free to all my customers, to others 10c. A plain copy free.

JOHN SAUL, Washington, D. C.
49:2 eot

Evergreens & Forest Trees.

AT RETAIL TO FARMERS AND PLANTER AT
WHOLESALE PRICES.
LARGE STOCK, GREATEST VARIETY, CHEAPEST AND BEST.
Send Stamp for Price List.
GEORGE PINNEY,
49:1 Sturgeon Bay, Wis.

FRUIT AND ORNAMENTAL **TREES**

Large Stock. Low Rates.

STANDARD PEAR TREES A SPECIALTY.

Send stamp for Trade List. AGENTS WANTED.

E. MOODY & SONS, LOCKPORT, N. Y.
NIAGARA NURSERIES. Established 1839. 48:14

FARMS, RANCHES
—AND—
LANDED ESTATES FOR SALE.

Now that we have so many settlers of the BETTER-CLASS coming to our State, those who have

Lands, Ranches, Farms,
—AND—
IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms and Libraries in the United States.

☞Advertisers will be wise that consult our columns.☜

WARREN & CO.,
CALIFORNIA FARMER OFFICE.

Newspapers for Packing

A LARGE lot of good country newspapers in good order for packing up goods, can be had at reasonable rates, in lots of *One to Five Thousand.*

For Sale at FARMER OFFICE,
320 Clay St., San Francisco.

U can make money faster at work for us than at anything else. Capital not required; we will start you. $12 per day at home made by the industrious. Men, women, boys and girls wanted everywhere to work for us. Now is the time. Costly outfit and terms free. Address, TRUE & Co., Augusta, Maine. 47:22

25 STYLES OF CARDS, with name in gold, 10 cts. J. B HUSTED, Nassau, N. Y. 47:14 1y

PULLMAN HOTEL DINING CARS

THESE CELEBRATED HOTEL CARS ARE NOW

RUN OVER THE

Chicago and Northwestern Railroad

BETWEEN

COUNCIL BLUFFS AND CHICAGO

No other road now runs or has ever run

Pullman Hotel Cars,

PULLMAN DINING CARS,

Or any other form of hotel, dining or restaurant

THROUGH

BETWEEN OMAHA AND CHICAGO.

Do not be deceived by the false representations of the agents of other lines who tell you they have hotel cars on their lines west of Chicago. It is not true. No road west of Chicago has them except

THE CHICAGO AND NORTHWESTERN.

PASSENGERS for Chicago, Niagara Falls, Pittsburg Philadelphia, Montreal, Quebec, New York Boston, or any point East,

Should Buy their Trans-continental Tickets

—BY THE—

Pullman Hotel Car Line.

Close connections are made at Chicago with the Lake Shore & Michigan Southern, Michigan Central, Baltimore Ohio, Pittsburg, Ft. Wayne & Chicago, Kankakee Lin and Pan-Handles routes, for all points EAST and SOUTH EAST.

This road can give you CHOICE of ALL ROUTES from Chicago to the East. It allows its patrons to select the route they may think best. Determine the route you would like to travel over beyond Chicago, and we will be glad to sell you THROUGH TICKETS by it.

☞Passengers will find Tickets via this Favorite Route at the ticket office of the Central Pacific Railroad, Sacramento.

☞Tickets for sale in all the ticket offices of the Central Pacific Railroad.

W. H. STENNETT.....General Passenger Agent
MARVIN HUGHITT.....General Manager

H. P. STANWOOD, General Agent,
No 2 New Montgomery Street, San Francisco.
47:11

MOUNTAIN PLANTS.

Strawberry Plants.

"Monarch of the West," "Star of the West," "Seth Boyden," "President Wilder," "Great American," "Crescent Seedling," "Duchesse," "Prouty's Seedling," "Duncan," "Kerr's Prolific," "Miners' Great Prolific," "Continental," "Cinderella" "Cumberland Triumph," "President Lincoln," and all the best and most promising varieties of STRAWBERRIES.

Mountain grown plants—"Silva's Koning Claudie," the earliest and best early Blue Plum.

We offer for sale a large and fine stock of the above.

Send for Descriptive Circular to

C. M. SILVA & SON,
Newcastle, Placer County, Cal.
49:3

SPLENDID **FLOWERS** OVER 200 Distinct Varieties.
All Strong Plants, each labeled and delivered safely by mail. *Largest assortment. Low prices.* We have been in business 24 years, and *never so satisfied.* Our stock of **ROSES** *comprises all desirable varieties,* and contains none but mature plants. We send *purchaser's choice* of 9 for $1, or 13 for $2. Our new *Illustrated Hand-Book*, sent free on receipt of name and description of each plant, with instructions how to cultivate successfully. ROOTS, BRO. & THOMAS, Cherry Hill Nurseries, West Chester, Pa.
47:22

RHUBARB WINE.

A CHOICE NEW ARTICLE.

A DELICIOUS HEALTHFUL WINE.

Manufactured at Omaha, Nebraska, from the VEGETABLE RHUBARB, making a very delicious, palatable, and healthful light wine, differing from any other wine ever yet manufactured, and giving good promise of becoming a very popular wine.

For sale at the CALIFORNIA FARMER Office by
WARREN & CO.

TO INVENTORS AND MECHANICS.

Patents and how to obtain them. Pamphlet of 60 pages free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 31,
48:19 tf *Washington, D. C.*

Good Cure for Hard Times

A PLANTATION OF EARLY PROLIFIC and RELIANCE RASPBERRIES.

100,000 Plants for sale; also 200,000 Cinderella and Continental Strawberry Plants. Millions of other Plants, Trees, etc. Everything new, novel, and rare. Prices low. Send for Descriptive Circular to GIBSON & BENNETT, Nurserymen and Fruit Growers, Woodbury, N. J.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the *information of their Wants.*

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, APRIL 17, 1879.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street Marble Building Up Stairs

FARMER HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms. Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, TWO DOLLARS for five lines or less of space in Nonpareil type, for ONE insertion, twenty cents a line for any larger space. Each subsequent insertion half these rates. This is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

Editor's Chair.

Old and New Constitution.

We invite the attention of all our farmers especially and all who may read this number of our Journal, to the various arguments we have presented: these are our own unbiased opinions offered earnestly and as a FREE WILL OFFERING, hoping and believing they will convince the wavering, encourage the doubting, and help all to come up to the work, and defeat the new Constitution and save the old.

We hope those who thus desire, will send our Journal far and wide and work with us in this Cause.

Bills Sent Out.

We would hope that those of our patrons to whom we have sent bills, will kindly remember that a good many *little sums from each* would be of great advantage in times when money is of value.

HOME.—Our Poets' Column this week gives our readers an original Poem from our Correspondent "Philmore" "The Miners' Dream" that shows the writer to be gifted in the dreams of poesy, the other poems we know will please and instruct.

"Idle Hands."—We hope this story will interest *mothers* and *daughters*, it is a valuable sermon.

We call special attention to the "Grand Triumph for the Eucalyptus" on Home page—as worthy special attention of all who suffer—it comes from high authority.

HORTICULTURE.—"New and rare plants," "Foliage Plants," etc., on page 51 will interest.

MISCELLANY.—In these dull times when so few laugh or find time to be merry, we offer them a "Josh Billings' Column" from *his Almanac*, and if it don't help kill the blues nothing will.

AGRICULTURE.—We give another chapter from that most excellent book "How we Saved the Old Farm," we know our farmers and their children will read it with a pleasurable and instructive interest.

"Reaper and Binder Trial," from Australian reports, "What a perfect Animal should be," "Where our Grain and Fertility Goes," "Farmer boys in York county, Maine," these are all of interest to our farmers.

OUR FRONT PAGE.—Our European Letter will give our readers very important news upon the agriculture of France and Europe.

The Wool market of New York as reported by the well known House of "Walter Brown, Sons" must interest our Sheep Raisers and our Wool Growers, this report is worthy their special reading.

A Magnificent Estate.

A large and very fine estate of some THREE HUNDRED ACRES with a fine Orchard of the very choicest fruit; a large Vineyard, very productive; a large number of Fig Trees, great bearers.

ORANGE, LEMON, OLIVE, and choice EXOTIC FRUITS of all kind.

This estate is located in one of the "Beauty Spots" of our State, a retired, healthy and delightful spot.

This estate will be sold at a great bargain by reason of declining health of the present owner.

Particulars can be had from EDITOR FARMER

A FREE BOOK of nearly 100 large octavo pages for the sick. Full of valuable notes on Scrofula; Diseases of Women; Aches and Pains; Heart Troubles and a great variety of CHRONIC DISEASES, with evidence that in most cases, these diseases are curable. Sent for one stamp.

Address MURRAY HILL PUB. CO.,
4-9 No. 129 E. 28th Street, N. Y.

VALUABLE INFORMATION FOR THE FARMER.

Next to the system of irrigation in crops, the most important discovery yet made in Agriculture. By it any quality of manure is increased from 25 to 50 per cent. can be obtained in the crop of

REAL ESTATE

POTATOES

Proved by two years' experience of many of our first citizens during Winter or early Spring to prepare the seed. Full directions sent for $1, payable after trial, at maturity of crop. ISAIAH T. OLTMER, Quakertown, Bucks Co., Pa.

4-3

THE SEASON AND CROPS.

If ever there seemed a special providence to benefit our farmers, there seems to have been opened to them this year that grateful boon, for here in California, at this late date, comes fine April showers to bless the earth and give to growing crops an unusual aid: so repeated and so late refreshings are unusual, and from all sections of our State we have cheering words and strong assurances of a promising year.

We append an extract from a rich cultivator in Contra Costa County which speaks hopefully:—

"The new Constitution must go overboard, but the old one amended at once, and not so much amended as its good provisions strictly enforced.

The prospects for a crop were never better. Every weed and pasture plants growing—every grain is fairly forced in its upright shoot by an internal spiral power—fruit trees and vines overburdened with blossoms, some varieties already plastered over with fruit, its thinning out is a heavy tax on the orchardist.

The ground is in the best condition for immense crops, the practice of a naked "Summer Fallow" should be improved upon by shading, covering and providing additional plant food during the term of so called rest, but such catch crops should be pastured off on the ground, then the "Fallow" would be a rational operation and most beneficial."

We have a letter from one of the pioneer farmers of Alameda County, who writes thus:—

"We have an extra promise of good crops in this neighborhood this year, in fact, we are having one of the best growing Springs I ever knew."

There never has been a more timely aid than these late rains, and in proof of this the fruit that is now coming to market—the great quantities of asparagus of extra quality is a particular evidence of a rapid and strong vegetable growth.

Our grain growers write and tell us of the remarkable growth and cheering prospects of the grain crop. Haying too has begun, and this may also account for the rains, for it is the fashion to have rains when haying begins, although this is very early.

Our orchardists tells us the trees are overloaded and the thinning out process must be attended to now, to save the trees from breaking down. Our vineyards too are giving an unusual promise to their growth, and sett for a great crop of grapes and wine presses to overflowing.

Soon the air will be made fragrant with new mown hay, while every hill, mountain and valley is bright and beautiful with spring flowers—soon our markets will be full of luscious cherries, apricots, and small fruits to feast our people, these blessings ought to drive out of mind the fret of political turmoil and battle of party—but we know until "After Election," mortal eyes are apt to look after the "Nearer Chance," so after the 7th of May, our beautiful country, its flowers and fruits and the manifold bounties of a kind Providence will be more esteemed, and poor mortals enjoy more of life with grateful recognitions of a kind beneficent nature.

THE LATE RAINS.

These have been a great "God send" to our farmers, as these rains have come at a most propitious moment when they were greatly needed; nothing could happen to our farmer that could have done them so much good as the copious and repeated showers that have so lately blessed the earth.

The blessed rains are our farmers gains,
Crowning the mountains, hills and plains
With bud, and blossom, everywhere,
Sweeting the winds with a fragrant air,
While the wind their choral anthems sing,
The opening season, Beautiful Spring,

Shall mortal man be less grateful or joyous than the birds? a song of praise should go up from all.

Bless God for the rains this beautiful spring.

The Haying Season.

The hay cutting season has come again, even now we hear of some places where Hay has been cut—and it may be *that* was the cause of the late rains—even now rain clouds are about, and Haymakers are making preparations for the coming work.

The work to be successful, to make a profitable crop, the Haymaker should have the best implements, and cure his hay *green*, that always commands the highest price.

While speaking of *making Hay* we remind our readers that they can find the *best Hay Rake* ever made, advertised in our Columns by G. A. Davis, 327 Market street, to which we call special attention.

Our Dairy Salt.

Good pure *salt* is one of the great essentials for the making and preserving of the *Butter* in our dairies—a large part of the spoiled butter that is found in our markets, and a large part of the butter that is now being packed down would keep better and sweeter and command a higher price if more care was paid to the kind of *salt* used.

True economy demands that only the purest and best salt should ever be used in the dairy—it is poor economy to use *any salt* because it could be *bought cheap*, the very best *Dairy Salt* that can be found according to the experience of the *best Dairymen* is the LIVERPOOL FINE SALT, this kind is approved by the most noted Dairymen in all the great Dairies of the Eastern States, and should be well known by the Dairymen of California, and this only should be used.

Messrs. Williams, Blanchard & Co., are the Wholesale Agents for this Salt, and Butter makers should use this and no other.

Eucalyptus Hop Poles.

We would suggest to our Hop growers the plan of growing the Eucalyptus trees as an economical way of supplying themselves with *Hop poles*, that would be cheaper than any other kind and at same time not liable to rot.

The Eucalyptus trees if planted thickly, the right variety will grow rapidly, 12, 15, even 20 feet in a single year, and a two year's growth would make good Hop poles, and these when cut now once would spring from the roots, thus furnishing a perpetual supply—we can commend the culture of this tree for this purpose, for in addition to their quick growth and cheap cost, the oil in the bark would be an antidote against worms or insects that sometimes affect the Hop.

AGRICULTURE AND THE NEW CONSTITUTION.

The agricultural interests of our State are unvariably admitted to be the *basis of all our prosperity*, this is clearly proved by the great anxiety shown by all classes when the *rains are delayed*, or any blight touches our great grain crops, for upon these the masses are dependent and all business operations are based.

And yet with such mighty interests at stake, the *new Constitution* has stricken out all appropriations to this great interest, it has blotted out the appropriations which were made to the STATE AGRICULTURAL SOCIETY, to all the DISTRICT AGRICULTURAL SOCIETIES, and the MECHANICAL INSTITUTES, and ignored all that wise and paternal aid which every other State always give with a liberal hand to these great interests.

We are confident that our farmers, orchardists, vineyardists and stock raisers, the great mass of our agriculturists who pay the largest amount of taxes, have not yet noted these facts, that all aid to these *Industrial Institutions* are *completely cut off* in the *new Constitution*, and as with these, so will it be in regard to the aid for our *Agricultural College*, which is the recipient of a large bounty from the State.

Our farmers who are ever among the liberal minded for *charity* and *benevolent enterprises* will see that not only is all aid to the cause of AGRICULTURE and the MECHANIC ARTS stricken out of the *new Constitution*—but all aid to the *unfortunate*, all *benevolent aids*, as we show in another column, and thus every community must bear the costs of these, instead of the State Treasury—let a just thought be given to these matters and our farmers will reject the new Constitution by the ballot of—NO.

THE NEW CONSTITUTION.

DOUBLE TAXATION.

HOW IT WILL WORK AGAINST THE FARMERS.

The clause in the new Constitution relative to the assessment of land will work peculiar hardship in the foothills. Section 2 of Article 13 says:

"Cultivated and uncultivated land, of the same quality and similarly situated, shall be assessed at the same value."

Now let us see how that will work among the small farmers of the foot-hill section. When the Assessor comes around the conversation will be about like this:

Assessor—How much land have you, Mr. Granger?

Granger—Three hundred and twenty acres.

Assessor—It is all about of the same quality, isn't it?

Granger—Yes; there is no essential difference in the quality of the land that I am aware of.

Assessor—All under cultivation?

Granger—No, sir; there are but fifty acres cultivated at present.

Assessor—What do you value your cultivated land at, Mr. Granger?

Granger—Well, I hardly know. I don't wish to sell, and have never given the subject much consideration.

Assessor—I am assessing cultivated land in this vicinity at $25 an acre; do you consider that an excessive valuation?

Granger—No. I think my cultivated land is worth $25. I wouldn't take that for it.

Assessor (figuring)—Very well, then, Mr. Granger, I value your land at $8,000; the buildings and other improvements I shall assess separately.

Granger—What! eight thousand dollars! Are you crazy? Why, sir, I only paid $1.25 an acre for this land, and 270 acres of it has not been improved or cultivated in any way, and isn't worth a picayune more to-day than it was when I preempted. What do you mean? Fifty acres, at $25, would be $1,250. I am willing you should put down the remaining 270 acres of my claim at $2 per acre—certainly not above that; 270 acres of my claim at $2 would be $540, which added to the value of my cultivated land, makes a total of $1,700 for the whole ranch—every dollar it is worth. Why, sir, every dollar I can produce and earn in a year, over and above a bare living for my family, would not suffice to pay the tax on $8,000.

Assessor—I can't help that. The new Constitution says that cultivated and uncultivated land, of the same quality, shall be assessed at the same value; and I am consequently compelled to assess you $25 an acre for all your land. You can apply to the Board of Equalization, Mr. Granger, but as the clause in the Constitution I have referred to is mandatory, I don't think you stand any chance of getting a reduction.

[The *Calaveras Chronicle* presents the above statement of *facts*, of how the NEW CONSTITUTION will affect our farmers in the way of taxation upon their lands—to this statement we call the particular attention of all farmers, for they already have a load of taxes as heavy as they can bear.—ED. F.]

Robbing the Orphans and Homeless.

One of the great wrongs the *new Constitution* would inflict upon the community is, that it shuts up the great heart of charity and humanity by cutting off all support to our *Orphan Asylums*, our *Aid Societies* and *all* our *Charitable Institutions*.

Charity is a GOD-LIKE ATTRIBUTE, and it has always been the boast of the citizens of our "Golden State" that California from the advent of the "Sanitarian Commission" to the present time, has ever been ready to aid with a liberal hand every call or claim of the unfortunate abroad or at home; our great liberality to the suffering South in her recent hour of need, the "Yellow Fever Plague" bore evidence of this.

Every Orphan Asylum of every creed; every Widows' Society and Children's Aid Societies have always had a helping hand, but now, the *new Constitution* if it were adopted would *strike out* this *golden link* of charity, and cast orphans, widows, and homeless children upon a cold world for what aid they could crave and beg.

The voice of humanity cries aloud for these that we should save them from suffering, and to do this we must reject the *new Constitution* by the emphatic vote—NO!

STOPPING EMIGRATION TO OUR STATE.

The adoption of the NEW CONSTITUTION will assuredly check emigration to our State more than any measure that its bitterest enemies could possibly devise, already the news has gone abroad East that capital to a very large amount that was intended to be invested in manufactures and new buildings and improvements has been turned from these enterprises and sent abroad, and that many large improvements in view have been abandoned, by reason of the fear that the *new Constitution* would be adopted, which by reason of heavy and *unjust taxation* would cripple all our industries.

A very large, an immense amount of capital that would have been invested in *Industrial Enterprises* has been changed into our U. S. Bonds, and the gold paid for them sent East to "Uncle Sam's Treasury" where now there is nearly $400,000,000 locked up, doing no one good, while our mechanics and working men go about our streets seeking employment.

MECHANICS AND WORKINGMEN!

look to it, if you want work now, what will you do if the NEW CONSTITUTION *should be adopted?* just as sure as this is done for every *day* you stand idle now, you would be out of employ for a *month* then.

Look to your votes! your Labor, your Bread, your Homes, depends upon your own action now.

THE RAILROAD INTERESTS.

During the present hotly and we say furiously contested elections, the bitterest party feeling will be drawn out, and, as is well known the bitterness and spite so long and so constantly hurled against the *Railroad Interest* will necessarily be kept up virulently—even to the bitter end.

We would ask our farmers and producers seriously to consider what would be their condition, and how could they market their Grain, Hay, Wool, Fruit, Wine and other products were there NO RAILROADS?

The price of shipment of all these products are not one quarter of what they were *Ten years ago*, and every year less and less, and yet some will complain.

Yes, there would be grumblers even were the cost *half* what it is now—yet we ask in all earnestness for TRUTH and JUSTICE sake, why not give *due credit* for the reduction of the cost of transportation of our products to the *Railroad*, for what they have already done, instead of the bitter tirade against them now for what they can not do—farmers be *just* in this matter, and you will then find your reward in it.

Nothing Safe, Nothing Hopeful.

Every industry of our State, every future prospect, the hope of coming years, FOR THIS STATE, is now depending upon the action of the citizens of California, in the next few weeks.

The cloud that now rests like a pall upon the vital interests of California will not be lifted save by the UNITED, ENERGETIC ACTION of her own best citizens.

Those citizens who have SHIPS, WAREHOUSES, STORES, MANUFACTORIES, WORKSHOPS, FARMS and other great interests, must now see all these endangered by the threatening cloud that hangs over all these interests, and it must depend upon their united and strong action alone, to lift this cloud and avert the threatened danger, unless this danger is averted, unless the NEW CONSTITUTION is DEFEATED, our Ships will lie at our wharves idle, our Warehouses will hold their merchandize unsold, our manufacturers will have no demand for their goods, workshops will close; our farms will be sold and our farmers feel the blow as heavy as any other interest, for all must suffer.

The danger is great, it is near, it is imminent, and it behooves all to be awake and alive to duty.

Let the watchword be—*Ready! Ready!! Ready!!!*

WIRE BAILING FOR HAY.

The firmer fashion in bailing Hay or Grain was to use *Rope* as binders—recently wire has been introduced as a more compact and stronger article, and it has been used to a considerable extent

There has however been some serious objections made to wire from the fact that by reason of the coils and the kinks in the wire it has occasionally been caught into the machinery of the Mower or Reaper and has done serious injury to the machines.

This objection has not been duly considered by our Haymakers and Grain Growers.

While some say there is a compactness and an economy in the wire they forget the danger and risk to a valuable Mower or Reaper, this view should not be lost sight of.

Another item to remember, the wire when once used is done with, and of no more account, while the *Bailing Rope* can be used again when duly saved, for many purposes, even to *one-half* its original cost, and "economy is wealth."

We are induced to make these suggestions to our *farmers* note for as the times are, every *penny saved* is as good as a shilling earned, therefore we say to our "Haymakers" and our "Grain Growers" who use the machines that cut and "bale on the field" do not use *wire bailing*, but use good Bailing Rope, and you will be largely the gainers.

There is another danger arising from the use of wire for bailing, when the bales are broken the wire is often carelessly thrown aside in the stable or stock yard, and thus exposes the stock to being caught by the feet, resulting in more or less injury, and sometimes to the loss of valuable animals, nothing more dangerous in a stock yard or stable than bailing wire, and when Bailing Rope is used there is no danger whatever.

Diphtheria.

This fearful disease is now doing its terrible work of death among the children of our State and the ordinary remedies fail to arrest it.

If parents would but try the great Remedial Agency of the Eucalyptus, they could save their children from this direful death dealing scourge.

Be sure and obtain the true Medicine, *David Clarke's Australian Remedials.*

AUSTRALIA.

AGRICULTURAL NEWSPAPERS.

Editors, strangers and citizens from the Eastern, the Middle, or Southern States, also Editors over our own Coast who may desire to see or refer to their own Journals, or any Agricultural or Horticultural Journals, will always find them on file in the FARMER READING ROOM, to which they are always bid welcome.

ONE HUNDRED of the leading Journals and Magazines of this class, the best in the United States, are in this collection, giving to those in search of Agricultural knowledge the best Information on this Coast

A Large Library also, for *General Reference.*

Australia and California

We have full files of Australian Papers from all parts of Australia, showing the great interest they take in this Country, one thing of great moment, is the "Steamship Line," it is of vital importance to the welfare of the Colonies, and so vastly important to the Pacific Coast in the great trade that can be built up between the Colonies and California, if our Merchants do their duty.

These Journals are arranged on file for the convenience of all who may desire to peruse them. We have as follows:—

The Sydney Morning Herald, Sydney.
" *Town and Country*, Sporting Paper, Sydney
" *Australasian*, Melbourne.
" *Weekly Times*, "
" *Adelaide Observer*, Adelaide
" *Queenslander*, Brisbane, Queensland.
" *Week*, " "
" *Capricornian*, Buckhampton, Queensland.
" *Port Dennison Times*, Port Dennison.
" *Wide Bay and Burnett News*, Queensland.
" *Darling Downs Gazette*, Toowoomba, "

Many of these Journals are of the largest size, from 20 to 38 pages, several splendidly illustrated with views of the Public Buildings, Landscapes, Public Men, Stock, etc.

CONTRIBUTIONS FROM QUEENSLAND

We Invite all our readers and our citizens especially who are interested in our MANUFACTURES and the MECHANIC ARTS, and our AGRICULTURE, to visit the FARMER Office and see the RICH PRODUCTS brought from QUEENSLAND by the Commissioner, they are now on Exhibition open to all, in the READING ROOM and MUSEUM of the CALIFORNIA FARMER OFFICE.

FLUCTUATIONS IN VALUES.

The violent fluctuations in the values of grain and provisions continue. Nor do they appear called for by any known marked changes of consumptive demand or supply. Last week the grain markets of the entire country were thrown into spasms by a fiasco, in connection with the Keene wheat stocks held principally in Chicago. It is asserted by Mr. Keene that some parties in Chicago caused a forged dispatch to be sent from New York to the firm of Messrs. J. K. Fisher & Co., who are Mr. Keene's brokers in Chicago, directing them to sell two million bushels of wheat, unless the market receded three cents per bushel from its opening figures on that particular day (Friday). The dispatch was a night telegram; but, notwithstanding, the agents acted upon it, without causing it to be repeated, and without making further inquiries of Mr Keene. The effect of throwing so much wheat upon the market was, of course, disastrous; values receded some five to six cents per bushel in a comparatively short space of time; and a large number of holders lost heavily, while more than one were virtually bankrupted

The whole affair was, to say the least, a most unfortunate occurrence, especially in view of the fact that Mr. Keene is a large holder of grain, and also that the impression has got abroad that certain parties are introducing the methods practiced on the California mining exchanges into the produce exchanges of the Eastern States.

Nor do the late violent fluctuations in the stock, as well as produce markets of the past few months tend to allay this growing impression. It cannot be denied that both markets have, of late, been depleted, on the contrary, by operators having large amounts of capital and credit at their disposal.

We can only repeat our previous warnings. We consider it in the highest degree injudicious, and we may add, ruinous, that such palpably gambling operations as those which have taken place upon many of our boards of trade during the past month or two should become permanent; for the reason that, sooner or later, their effects can scarcely prove less than disastrous, not only to their promoters, but to the legitimate trade of the country.—*Commercial Chronicle, March* 13, 1879.

It is a question with many grain operators whether Mr. Keene sold the wheat held by him. But it is unquestioned that the "forged dispatch" affair has hurt holders of wheat fully as badly as if Mr. Keene had sold. The majority reason that if the throwing of 2,000,000 bushels of wheat upon the market put it down from 5 to 6 cents, what would be the price after the larger share of the immense stock in store had been realized upon? The fact is that the Keene fiasco has badly damaged the market generally.

A Pamphlet Free.

THE MURRAY HILL PUBLISHING COMPANY, 129 East 28th St., New York City, will send by mail a large pamphlet entitled EVIDENCES OF DOCTOR FOOTE'S SUCCESS as a writer and practitioner of medicine, and a catalogue of all their publications—reading enough for several weeks—if you will but enclose one letter stamp to their address.

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The Attention of Farmers is called to the merits of this Rake, and its great superiority over all Self-Dump Rakes heretofore brought to the notice of the public. The Dumping is done by friction bands around the ends of the hubs giving full control of the Rake to the operator, so as to be able to carry the teeth clear of the windrow. This does away the necessity of ratchets and pawls which is so objectionable in all other Self-Dump Rakes. The teeth are of the BEST CAST STEEL and have a double coil which renders them capable of the most severe work.

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PROPRIETORS CALIFORNIA FARMER.

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FRED M. PATRICK, Manager,

5 First Street, San Francisco.

49:5 3m

THE

Queensland Almanac.

LAW CALENDER AND DIRECTORY FOR 1879,

For Brisbane, Queensland.

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A complete Directory of all the Interests of Queensland—A valuable work of over 500 pages.

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TWENTY VARIETIES.

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PRODUCING BERRIES THIS SEASON from the size of a Walnut to that of a Hen's egg.

The varieties offered are new and choice and immediately productive.

Directions for their culture given to all purchasers. For sale at

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BEST business you can engage in. $5 to $20 per day made by any worker at their own right in their own localities. Particulars and samples worth $5 free. Improve your spare time at that business. Address Stinson & Co Portland, Maine 37 22

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The Eucalyptus Cure!

DAVID CLARKE'S

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Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

(AUSTRALIAN GUM TREE).

THERE is no tree known to science that presents so many valuable properties as the various species of the Australian Eucalypti. As many as one hundred and fifty varieties of this invaluable tree have been discovered. No timbers in the world can compare with those of Australia; for purposes requiring great strength, combined with great durability, they are unapproachable. Owing to an essential volatile oil that exudes from the foliage, epidemic rarely exists in Australia. The entire species are more or less medicinal. Yet after many experiments, I have found that some of the species, most useless as far as their timber is concerned, are of the greatest value as medicine plants.

In the back bush the gum leaf has often to answer the purposes of the entire medicine chest.

During the past six years I have been experimenting on the various species of the Australian Gum—the roots, the bark, the gum, and the leaves—with great care.

I have found that the gum that exudes from some of the species cannot be excelled for some purposes.

For Rheumatism, Neuralgia, Gout, Sciatica, or any affection of the Nervous System, it appears to be almost a specific, giving immediate and permanent relief. For resolving the attack of Fever and Ague it is marvelous. It is equally valuable in all diseases of the Liver.

It is essentially necessary during an attack of any of these diseases that the bowels be freely evacuated by a dose of four to six of the "Liver and Bilious Pills" previous to taking the Fluid Extract, and a small dose of the Pills every night will greatly assist the action of the Fluid Extract. For Rheumatism, Sciatica, Gout, Neuralgia, or pains in any portion of the body or limbs, the part affected should be freely bathed with the "Concentrated Fluid Extract."

For Dysentry and Diarrhœa it supersedes all other medicines known. For ordinary cuts, or slight bruises, one application generally suffices.

For Colic, Pains in the Stomach o Bowels, a single dose generally gives relief before five minutes. In bad cases a dose may be taken every half-hour, or hour, till relieved.

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DAVID CLARKE,

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N. B.—Responsible Traveling Agents Wanted.

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FISH BROS. & CO.,

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WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

USING NOTHING BUT

First-Class Improved Machinery and the Very Best of Selected Timber,

AND BY A THOROUGH KNOWLEDGE OF THE BUSINESS, WE HAVE JUSTLY EARNED THE REPUTATION OF MAKING

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We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ———, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {Titus W. Pier, Edwin R. Fish, Jno. C. Higgins,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. Send for Prices and Terms, and for a copy of our AGRICULTURAL PAPER to

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48:17

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Hay and Grain at Lowest Market Rates.

FOR SALE.

An Iron-Gray Stallion, 6 years old, 16 hands high, weight 1200 pounds; untrained, can trot close to 2.40; sound, kind and gentle; "Messenger" stock.

—ALSO—

A Black Stallion, "John Wallace," sired by "England Glory," and from an imported Normandy mare of 6 years old, 17½ hands high, 1750 pounds; coal black flowing mane and tail. He won great merit last year by a set of the finest colts of this blood.

—ALSO—

One Black Stallion, 8 years old, 16 hands high, weight 1250 pounds; has a record of 2.38; sound, kind and gentle.

Can be seen at Bulls Head Stables, Corner of Market and 9th Streets.

49:1 JNO. RODGERS & CO.

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MRS. E. D. MOORE, M. D.,
Ladies' Physician and House Superintendent.
49:7

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COUNTERFEIT DETECTOR

—AND—

National Bank Note List.

THIS CELEBRATED PUBLICATION OF THIRTY Years standing, one of the best works of the kind known, published by Peterson Brothers, Philadelphia.

Subscription price, monthly..... $1 50 per year.

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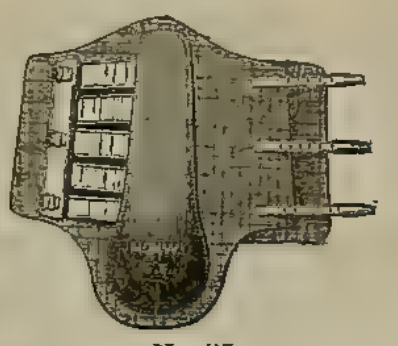

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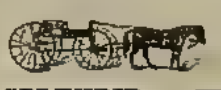

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Farmers who desire a splendid Single or Double Seated Wagon, of the BEST make and BEST finish, can have a special bargain if they will call at 320 Clay Street, FARMER Office, where style of the Wagon will be shown them, price and terms also. An early call will secure a bargain rarely obtained.

A NEW STRAWBERRY.

SHARPLESS, THE LARGEST, BEST FLAVORED and most productive berry ever produced. Berry raised with ordinary culture from plant, set in September, 12½ inches in circumference; weight, 2½ ounces, and on the same stem four others from the size of a hickory nut to that of a walnut. See sworn statement and recommendations in my circular. Free to all sending their name and address on postal card. J. L. DILLON

49:7 BLOOMSBURG, PA.

N. B.—Catalogues and Plants at FARMER OFFICE.

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New Zealand Insurance Co

FIRE AND MARINE,

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Capital, $5,000,000.

With Unlimited Liability of Stockholders.

Capital	$5,000,000
Capital—paid up	1,000,000
Assets	2,010,812
Re-Insurance Reserve	347,035
All Other Liabilities	268,759
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Premiums received to May 31, 1878	7,095,533
Losses Paid to Date	4,348,997
U. S. Bonds deposited in Oregon	50,000

UNDERWRITE, THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandise, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

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47-12

SAN FRANCISCO CORDAGE CO.

ESTABLISHED 1856.

Have constantly on hand a full supply of all kinds of Manila and Sisal Rope—manufactured from the pure Fibres—and by the latest improved machinery. All our Manila Rope GUARANTEED.

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The special advantages of Rope for baling purposes, are the uses to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for Halters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when baled with Rope.

FOR SALE BY ALL DEALERS.

TUBBS & CO.,

611 AND 613 FRONT STREET,

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Best Fruit Dryer in the World.

HAMPTON & KELLY

—AND—

KELLY & COLE'S

FRUIT DRYER.

THIS MACHINE DRIES BY STEAM HEAT AND DOES not burn the fruit. It is very economical in its working machinery, and so perfectly simple that every family can use it in their homes, it is also perfectly safe.

In connection with this machine is an admirable GRINDER capable of grinding one bushel fruit per minute.

The capacity of drying of the SINGLE DRYERS are from 20 to 30 bushels in 10 hours for each machine. Large machines will dry from 50 to 100 bushels in 10 hours.

Orders for these machines, for the present should be sent to Messrs. Kelly & Cole, First and Salmon Streets, Portland, Oregon.

A manufactory of these Dryers will soon be established here, and will be under the superintendance and management of **ALFRED B. COLLVER**, who is the General and Traveling Agent of all these Inventions.

Mr. Collver will have his office in this City early day—all letters for him can be addressed through the Express or Postoffice to the undersigned, and they will have prompt attention.

ALFRED B. COLLVER.

N. B.—Letters can be directed to me care of EDITOR FARMER, to whom we are permitted to refer for the excellent quality of our Fruit Dryer A. B. C.

49:7

THE NEW

SHEEP DIP.

We invite our SHEEP RAISERS to a NEW SHEEP DIP just received by us from Omaha, Nebraska, known as KENNEDY'S NON-POISONOUS and TOBACCO SHEEP DIP.

This new article can be had at a reduced rate in quantities at the

CALIFORNIA FARMER OFFICE.

N. B.—Call for Circulars and Particulars of its quality and merits.

Central Pacific Railroad.

Notice to Shippers.

Please take notice that this Company will maintain, for transaction of business in Oakland, TWO STATIONS, viz:

MARKET STREET AND SIXTEENTH STREET

and to avoid delays we would request shippers to state on receipt, name of station to which freight should be delivered; as in the absence of same all consignments will be taken to Market Street.

J. A. ANTHONY,
SAN FRANCISCO, Jan. 13, 13, 1870. Agent.

☞S. M. PETTENGILL & Co., 37 Park Row New York, 10 State Street, Boston, and 701 Chestnut Street, Philadelphia, are our Agents for SUBSCRIPTIONS to THE CALIFORNIA FARMER in the above cities, and also our AUTHORIZED AGENTS to contract for ADVERTISING at our lowest rates.

WARREN & CO.

Home Miscellany.

"There is no place like HOME.
Home! It should be Heaven on Earth

THE MINER'S DREAM.

BY PHILMORE.

The sun that shone so brightly o'er the gorge
Had scaled the hilly barriers in the west,
The burnished peak flung back his dying rays,
And darkness gathered o'er the miner's rest.

His evening meal was done, his blankets spread,
And he in revery sat him down alone;
The blackening faggot dim and dimmer grew,
The miner slept and dreamed a dream of home.

Albeit substanceless, he backward sped,
To life's beginning, when saw he true
What fleeting years had never proved,
How little real his early childhood knew.

A gauzy ladder reached him dimly then,
Upon the topmost round was seen
With dower of beauty a being crowned,
And spirit forms, air clad, moved in between.

On noiseless wings they neared the earth
And hovered o'er, by fond affection led,
Hosts numberless were there and mingling all,
Concentrated round his bed

Eternal thus, the miner fain would sleep
And live as there within the spirit's sphere;
But morn shall with it bring its work and care,
That proves how vain the joys we strive for here.

THE FARMER.

BY A W MIX.

While poets slog, and laurels bring
To deck the warrior's brow,
My wreath shall be, all green and free,
For him that holds the plow.

All hail the hand that tills the land—
A noble work to do,
By God designed to raise the mind
And make it happy too.

'Twas Heaven's will that man should till
The soil on which he stood—
Plant earth's broad field, that it might yield
A harvest rich and good.

Then why should man dislike the plan
Which the Eternal made?
Quit the plow, and meanly bow
To some low humble trade!

All farmers good have long withstood
The sneers of fools and fops—
Whose use on earth, e'er since their birth,
Has been—to eat his crops!

In rosy morn, at day's first dawn,
He's up for labor's wreath,
To breathe the air, so pure and fair,
Which gives him perfect health.

Throughout the day, without delay.
He labors, fresh and strong
Arranging crops, as best he may—
Nor thinks the hours too long.

His manly form doth breast the storm,
Nor dread the winter cold,
Nor Sol's hot rays, in summer days—
For labor makes him bold.

He ever stands with open hands,
To feed the needy poor;
A steward true, o'er all his lands,
And keeps an open door.

Then hail the hand that tills the land,
A noble work to do—
By God designed, to raise the mind
And make it happy too.

TO PARENTS.

He who checks a child with terror,
Stops its play and stills its song,
Not alone commits an error,
But a great and moral wrong.

Give it play and never fear it,
Active life is no defect;
Never, never break its spirit,
Curb it only to direct.

Would you stop the flowing river,
Thinking it would cease to flow?
Onward it must flow forever;
Better teach it where to go.

DON'T KILL THE BIRDS.

Don't kill the birds!—the little birds,
That sing about your door,
Soon as the joyous spring has come,
And chilling storms are o'er.

The little birds!—how sweet they sing!
Oh! let them joyous live,
And do not seek to take the life
Which you can never give.

Don't kill the birds!—the pretty birds
That play among the trees!
'Twould make the earth a cheerless place,
Should we dispense with these.

Don't kill the birds!—the happy birds
That bless the field and grove;
So innocent to look upon,
They claim our warmest love.

A good word is an easy obligation, but not to speak ill requires only our silence, which costs us nothing.

"There now," exclaimed a little girl, while rummaging a drawer in the bureau, "grandpa has gone to heaven without his spectacles."

A married lady lately consulted her lawyer on the following question, namely, "Am I wedded Mr. Smith for his wealth, and that wealth is now spent, am I not, to all intents and purposes a widow, and at liberty to marry again?"

Infant Prodigy: "Why is your hair so gray, mamma?" Mamma: "Well, because you're such a naughty child sometimes." I. P.: "What a naughty child you must have been! Poor grandma's hair is quite white!"

A Miss Wheat, down in Indiana, was thrashed the other day by a lover whose Wheat heart she'd ceased to be.

IDLE HANDS.

Mr. Thornton returned home at his usual midday hour, and as he passed by the parlor door, he saw his daughter, a young lady of nineteen, lounging on the sofa with a book in her hand. The whirr of his wife's sewing-machine struck on his ear at the same moment. Without pausing at the parlor door, he kept on to the room from which came the sound of industry.

Mrs. Thornton did not observe the entrance of her husband. She was bending close down over her work, and the noise of her machine was louder than his footsteps on the floor. Mr. Thornton stood looking at her for some time without speaking.

"Oh, dear!" exclaimed the tired woman, letting her foot rest upon the treadle, and straightening herself up, "this pain in my side is almost beyond endurance."

"Then why do you sit killing yourself there?" said Mr. Thornton.

Mr. Thornton's aspect was unusually sober.

"What's the matter? Why do you look so serious?" asked his wife.

"Has anything gone wrong?" Mrs. Thornton's countenance grew slightly troubled. Things had gone wrong in her husband's business more than once, and she had learned the occurrence of disaster.

"Things are wrong all the time," he replied, in some impatience of manner.

"In your business?" Mrs. Thornton spoke a little faintly.

"No, nothing especially out of the way there, but it's wrong at home."

"I don't understand you, Harvey—what is wrong at home, pray?"

"Wrong for you to sit in pain and exhaustion over that sewing machine while an idle daughter lounges over a novel in the parlor. That's what I wish to say."

"It isn't Effie's fault. She often asks to help me. But I can't see the child put down to household drudgery. Her time will come soon enough. Let her have a little ease and comfort while she may."

"If we said that of our sons," replied Mr. Thornton, "and acted on the word, what efficient men they would make for life's trials and duties!"

"You are wrong in this thing—all wrong," continued the husband. "And if Effie is a right-minded girl, she will have more true enjoyment in the consciousness that she is lightening her mother's burdens than it is possible to obtain from the finest novel ever written. Excitement for the imagination is no substitute for that deep peace of mind that ever accompanies and succeeds the right discharge of daily duties. It is a poor compliment to Effie's moral sense to suppose that she can be content to sit with idle hands, or to employ them in light frivolities, while her mother is worn down with toil beyond her strength. Hester, it should not be!"

"And it shall not be!" said a quick, firm voice.

Mr. Thornton and his wife started, and turned to the speaker, who had entered the room unobserved, and been a listener to nearly all the conversation we have recorded.

"It shall not be!" And Effie came and stood by Mr. Thornton. Her face was crimson; her eyes flooded with tears, through which light was flashing; her form drawn up erectly; her manner resolute.

"It isn't all my fault," she said, as she laid her hand on her father's arm. "I've asked mother a great many times to let me help her, but she always puts me off, and says it's easier to do a thing herself than to show another. Maybe I am a little dull—but every one has to learn, you know. Mother didn't get her hand in fairly with that sewing-machine for two or three weeks; I am certain it won't take me any longer. If she'd only teach me how to use it, I could help her a great deal. And, indeed, father, I am willing."

"Spoken in right spirit, my daughter," said Mr. Thornton, approvingly. "Girls should be as usefully employed as boys, and in the very things most likely to be required of them when they become women in the responsible positions of wives and mothers. Depend upon it, Effie, an idle girlhood is not the way to a cheerful womanhood. Learn and do now, the things that will be required of you in after years, and then you will have an acquired facility. Habit and skill will make easy what might come hard, and be felt as very burdensome."

"And you would have her abandon all self-improvement," said Mrs. Thornton. "Give up music, reading, society——"

"There are," said Mr. Thornton, as his wife paused for another word, "some fifteen or sixteen hours of each day, in which mind or hands should be rightly employed. Now, let us see how Effie is spending these long and ever recurring periods of time. Come, my daughter, sit down; we have this subject fairly before us. It is one of great importance to you, and should be well considered. How is it in regard to the employment of your time? Take yesterday, for instance. The records of the work of a day will help us to get towards the result after which we are now searching."

Effie sat down, and Mr. Thornton drew a chair in front of his wife and daughter.

"Take yesterday, for instance," said the father, how was it spent? You rose at seven, I think?"

"Yes, sir; I came down just as the breakfast-bell was rung," replied Effie.

"And your mother was up at half-past five, I know, and complained of feeling so weak that she could hardly dress herself. But, for all this, she was at work until breakfast time. Now, if you had risen at six, and shared your mother's work until seven, you would have taken an hour from her day's burdens, and certainly lost nothing from your music, self-improvement or social intercourse. How was it after breakfast? How was the morning spent?"

"I practiced an hour on the piano after breakfast."

"So far so good. What then?"

"I read the 'Cavalier' till eleven."

Mr. Thornton shook his head and asked:

"After eleven how was the time spent?"

"I dressed myself and went out a little after twelve o'clock."

"An hour was spent in dressing?"

"Yes, sir."

"Where did you go?"

"I called on Helen Boyd, and we took a walk down Broadway."

"And came home just in time for dinner? I think I met you at the door?"

"Yes, sir."

"How was it after dinner?"

"I slept from three until five, and then took a bath and dressed myself. From six until ten-time I sat at the parlor window?"

"And tea?"

Read the 'Cavalier' till I went to bed."

"At what hour?"

"Eleven o'clock."

"Now, we can make up the account," said Mr. Thornton. "You rose at seven and retired at eleven—sixteen hours. And from your own account of the day, but a single hour was spent in anything useful—that was the hour at the piano. Now, your mother was up at half-past five, and went to bed, from her sheer inability to sit at her work any longer, at half-past nine. Sixteen hours for her also. How much reading did you do in that time?"

And Mr. Thornton looked at his wife.

"Don't talk to me of reading!" I've no time to read," Mrs. Thornton answered a little impatiently. The contrast of her daughter's idle hours with her own life of exhausting toil did not affect her mind very pleasantly.

"And yet," said Mr. Thornton, "you were always fond of reading, and I can remember when no day went by without an hour or two passed with your books. Did you lie down after dinner?"

"Of course not."

"And didn't you take a pleasant walk down Broadway? Nor sit at the parlor window with Effie. How about that?"

There was no reply.

"Now, the case is a very plain one," continued Mr. Thornton. "In fact, nothing could be plainer. You spend from fourteen to sixteen hours in hard work, while Effie, taking yesterday as a sample, spends about the same time in what is a little better than idleness. Suppose a new adjustment were to take place, and Effie were to be usefully employed in helping you eight hours of each day, she would still have eight hours left for self-improvement and recreation; and you, relieved from your present overtasked condition, might get back a portion of your health and spirits, of which these two heavy household duties have robbed you."

"Father," said Effie, speaking through her tears that were falling over her face. "I never saw things in this light. Why haven't you talked to me before? I've often felt as if I'd like to help her; she says, that 'You can't do it,' I'd rather do it myself.' Indeed it isn't all my fault!"

"It may not have been in the past, Effie," replied Mr. Thornton. "But it certainly will be in the future, unless there is a new arrangement of things. It is a false social sentiment that lets daughters become idlers, while mothers, fathers, and sons take up the daily burden of work and bear it through all the business hours."

Mrs. Thornton did not come gracefully into the new order of things proposed by her husband and accepted by Effie. False pride in her daughter, that future lady ideal, and an inclination to do herself, rather than take the trouble to teach another, were all so many impediments. But Effie and her father were both earnest, and it was not long before the overtasked mother's weary face began to lose its look of weariness, and her languid frame to come up to an erect bearing. She could find time for the old pleasure in books, now and then for a healthy walk in the streets, and a call on some valued friend.—*Wood's Household Magazine.*

A New Book by Henri Greville.

Still another novel by Henri Greville, says a letter from Paris. "Bonne-Marie" is its title, and the scenes are laid in Normandy and Paris, and its translation from the advance French sheets into English for American publication has been made by Mary Neal Sherwood, whose translation makes it seem almost incredible that it could have been written originally other than in English. It will be published in a few days by T. B. Peterson & Brothers, in uniform style with the other works by Henri Greville issued by them.

The Art Association.

The Art Association of San Francisco has again opened its doors to the public to win its attention to the "Love of the Beautiful."

The present opening shows some 200 fine paintings, principally or wholly the works of our own artists and most noble and meritorious, and by those who have done so much to elevate the public taste, among them will be found several by San Francisco's returned artist, "Toby Rosenthal," who has won fame abroad and at home.

Our citizens should give to the Art Union their most kindly aid and encouragement—the admission is only *twenty-five cents*, and surely there can be no more agreeable or economical place for spare hours than the Art Union.

Art Institute in Peru.

A recent act of the Administration in Peru has been the issuing of a decree ordering the foundation of a Fine Arts Institution, for the teaching of painting, sculpture, music, declamation and architecture. The purpose of the Government in creating an institution of this kind is to offer a new field to young men, who will thus have the opportunity afforded them of acquiring such knowledge as may open to them a new career. This measure has met with general favor, and if properly carried out, is expected to prove of great benefit in the work of social improvement in the country.

There is to be a grand National Exhibition held in Moscow, Russia, in 1880, which will be accompanied by festivities of no ordinary kind. It coincides in point of time with the 25th anniversary of the Emperor Alexander's accession to the throne

GRAND TRIUMPH FOR EUCALYPTUS.

EUCALYPTUS WILL CONQUER DISEASE.

We publish the following strong TESTIMONIAL in favor of the GRAND REMEDIAL POWER of the Eucalpytus, prepared by DAVID CLARKE, CHEMIST, of Australia.

This Testimonial comes from a prominent Merchant of this City, whose name is with us for reference for all who suffer and would be relieved.

SAN FRANCISCO, April 7, 1879.

EDITOR CALIFORNIA FARMER—*Dear Sir.*

Some time ago I had the misfortune to sustain a dislocation of the shoulder received from a fall, and while I was suffering the most acute pain as the effect of it, so much so as to be deprived of my sleep nights, I met my old friend, Col. Warren, who presented me with a bottle of "Eucalyptus Oil" saying as he did so, "try it." "bathe the shoulder and arm well, and on retiring saturate a cloth with the oil, and bind it to your shoulder, and you will have no more sleepless nights on account of pain from that." I followed the Colonel's directions, and must say that the Eucalyptus Oil will do all that is claimed for it as an alleviator of pain (rheumatic and otherwise) and more too.

A preparation made from the Eucalyptus Trees, by frequent ablutions of the eyes will restore weak eyes to strong ones and positively restore the sight as good as ever to people whose eyes are failing, if they will keep their body in good condition by the use of Eucalyptus Pills—while using the eye wash. Yours truly, G. H. B.

N. B.—There are many compounds made in this State, yet however good, the *genuine* Remedials are those prepared by David Clarke, Warwick, Australia, for sale by Warren & Co., Agents.

THE BLOOD---THE LIVER---LIFE.

Almost every newspaper in our land far and near herald new preparations for curing "Liver Diseases" and "Purifying the Blood," page after page of our daily and weekly Journals publish all the old and new drinks. "Bitters" of all kinds have posters on the fences and buildings all over our State and Country, for all know that BLOOD IS THE LIFE AGENT and without PURE BLOOD diseases of all kinds are constantly generating.

Our newspapers all are almost daily making records of sudden deaths by *heart disease* and by *apoplexy*, and these are only in truth BLOOD DISEASES, which all the vinous or spirituous stimulants in the world, though they may relieve from pain temporarily, yet can never thoroughly cure of disease.

To perfectly cure, the blood must be made pure and life giving; its diseased condition must be changed, and new vitality must be so infused into it, and with such power as to drive out all the impurities, so that new vitality shall infuse *new life* into its circulation.

Among all the many preparations that have thus far been perfected there has never yet been any equal to DAVID CLARKE'S EUCALYPTUS BLOOD PURIFYING REMEDIALS.

These are entirely free from all mineral or spirit ingredients, nothing but the pure properties of the *combined virtues* of *leaf*, *bark* and *root* of more than fifty varieties of this famed tree are concentrated in this wonderful Blood Purifier and life saving Medicine.

Those who would be saved from sudden death by *heart disease*, *apoplexy*, *diphtheria* and the other fearful diseases which this renowned Medicine cures, should not fail to guard their own lives and that of their kindred and friends by using this *Australian Remedial*, the only pure variety is that of David Clarke, Warwick, in Australia, ask your Apothecary for this Preparation and thus save life.

Popular New Song and Chorus.

"Brown Eyes Close to the Window," a new song and chorus by Rosabel; words by James C. Macy, is one of the sweetest and most attractive songs published in years. The melody is one that will haunt you after once hearing it and the chorus is beautifully harmonized for four voices. The title page is embellished with an elegant picture and altogether "Brown Eyes Close to the Window" is the most pleasing song we have seen in years. It can be obtained of any music dealer or on receipt of 40 cents it will be mailed postpaid to any address by the publisher, S. BRAINARD'S SONS, Cleveland, O.

Diphtheria.

This fearful disease is now doing its terrible work of death among the children of our State and the ordinary remedies fail to arrest it.

If parents would but try the great Remedial Agency of the Eucalyptus, they could save their children from this direful death dealing scourge.

Be sure and obtain the true Medicine, *David Clarke's Australian Remedials.*

WARD'S FERTILIZERS.—These very superior kinds of *Fertilizers* and also *Insect destroyers* should be universally used upon plants and flowers

Not long since a lady of this town called upon a friend, and before leaving, patted her friend's little four-year-old boy upon the head, remarking, "I should like to have such a little boy as you are." Looking up into her face the little fellow replied, "Well, I guess you can. I don't believe God's lost the pattern of me."—*Tuscarora Times-Review.*

SEND THE FARMER ABROAD.

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, if they send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a JOURNAL as the CALIFORNIA FARMER. We know our JOURNAL is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the HOME CIRCLE everywhere, as a JOURNAL free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, SPECIAL PREMIUMS OF SEEDS are donated with the paper, to benefit our State.

SHERMAN & HYDE,

WHOLESALE AND RETAIL

MUSIC DEALERS,

CORNER KEARNY AND SUTTER STS.,

San Francisco.

WEBER PIANOS

.... ARE ....

THE BEST.

What the Great Musicians and Singers say of them.

NEILLSON. I shall take every opportunity to recommend and praise your Instruments.

KELLOGG. For the last six years your Pianos have been my choice for the Concert Room, and my own home.

PATTI. I have used the Pianos of every celebrated maker, but give yours the preference over all.

STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

WEHLI. Madame Parepa called your Pianos the finest in the United States. I "fully endorse," that opinion. They have no "rival anywhere."

MILLS. Amongst the many excellent Pianos made in the city, the Weber ranks foremost.

LUCCA. Your Uprights are extraordinary instruments and deserve great success.

MURSKA. Your instruments surpass my expectations, and I rank you justly as the Foremost Manufacturer of the day.

GODDARD. Your Instruments have no "superior" anywhere. I certainly have not seen any Pianos in America which approach them even.

The Cottage Gem Piano,

Is 7 Octave. Serpentine Mouldings. Carved Legs, and is the BEST PIANO in the market for the price.

$350.00.

The Standard Organ

Has a Beautiful Case, full, rich tone, and for durability

Excels all Others!

.... FOR ....

Sheet Music, Music Books,

OR ANY ARTICLE IN THE

MUSIC TRADE,

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CORNER KEARNY AND SUTTER STS.,
44:21 SAN FRANCISCO.

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SANTA CLARA, CAL.

THE TWENTY-SEVENTH ANNUAL SESSION OF THIS Institution will be resumed Thursday, January 8d.

This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It occupying six large buildings with extensive shady playgrounds, covered gymnasiums, swimming pond, etc.

It possesses a most complete philosophical apparatus, and valuable collections of mineralogy and geology. It has also practical schools of Assaying, Surveying, Telegraphy, Photography, and Commercial business. For the latter a new building 136x40 has just been finished that leaves nothing to [illegible]

Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course.

TERMS—(Payable semi-annually in advance) Matriculation fee, to be paid but once..... $ 15.00
Board, Lodging, Tuition in all branches, Washing and Mending of Linen, School Stationary, Medical attendance and Medicine, Baths, etc., per session of ten months..... $350.00

For further particulars apply to the President of Santa Clara College, or to St. Ignatius College, 841 Market Street, San Francisco
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Do you want to employ your leisure time satisfactorily send for an agency for your locality for one or more of the following valuable books:—

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Miscellany.

Gatherings along the way side,
Floating gems by every tide.

JOSH BILLINGS' COLUMN.

Truth is sed to be stranger than fickshun, it is, to most pholks.

Gamblers, nor infidels, havn't faith enuff in their professhuns to teach it to their children.

The world all praze the philosophers, but toss their essays into the caps ov the monkeys.

The best thing I kno ov is a fust rate wife, and the next best thing is a sekond-rate one

There is nothing so skarse as originality, even an original phool would be a great relief just now.

I never tri to settle other people's quarrels, I hav seen men tri to do this, and get badly whipt bi both partys.

The man who knos a thing, and kan tell it in the plawest words, is the hardest kind of a man to beat in a kross examinashun.

Whenever you cum akrost a man who distrusts everyboddy, yu hav found one whom it is safe for everyboddy to distrust.

I hav lived just long enuff to find out how little I kno, and no man who throws away his faith, is ever going to be very wize.

If yu undertake to hire a man to be honest, yu will hav to raize his wages every morning and watch him dredphull close besides.

Q.—What three things hav dun the most to civilize the world?

A.—The Bible, the looking-glass, and the muskett.

Yung man studdy politeness, even if yu ask a man for his toothpik, after he haz got dun using it, dont fale to thank him politely for it.

Q.—Whitch is the most reddy animile?

A.—The mule—they allwus sleep standing, so to be on hand when the kiking begins to flow.

I hav finally cum to the konklushin that if I kant prove a thing without betting 5 dollars on it, the thing haz got a dredphull weak spot sumwhare.

If yu want to find out a man's true karakter exsamin him at home bi the fire side, here he is the hero ov the occasion, and is angelick, or devlish, in spite ov himself.

Q.—Will yu pleze define an Enthuziast?

A.—An Enthuziast is a party who beleaves about 4 times as much as he kan prove, and who kan prove about 4 times as much as ennyboddy else believes.

The things that I kant prove I believe the most, I believe that one apple is sour, and another one sweet, but I will giv enny highly eddikated man a span ov matched mules, who will tell me what them so.

Q.—What is the best religious kreed to hav? A.—Charity. If a man will swop off all the religious kreed he haz got on hand, and invest the proceeds in charity, he will allwus be proud of the job.—*From Josh Billings' Almanac.*

Mercantile Library of Philadelphia.

This most excellent Institution has just sent forth its *Fifty-sixth Annual Report*, showing its rapid progress and its present prosperity.

The handsome illustrations showing the interior of the Library is proof of the excellence of the Library Rooms.

The memberships number	7,305
The number of books	127,502
Circulation for 1873	150,634
Visitors for the year	440,075
Number of newspapers and periodicals	503
Treasurer's income, 1876	$5,306,88
" Expenditures, all,	$5,058,02

THE PAST AND PRESENT.

In 1822, members were	300
Paid for salaries	$75,00
Number of volumes	471
" " Periodicals	1
In 1876, members	93,49
In 1876 paid for salaries	10,709,13
Number of volumes	136,353
" " Periodicals	503

This showing is a gratifying one and reflects great credit upon the President and Directors of this Institution.

A MAGNIFICENT CAVE.—Pima county, Arizona, is in possession of a wonderful subterranean vault, which bids fair to eclipse the celebrated Mammoth Cave of Kentucky or the grand cavern near Fort Stanton, New Mexico, in which are found lakes, rivulets and large rooms containing many curious things. Explorers of the New Mexico cave found, one mile from the entrance, a lake to which they found no bottom, and to pass over which a small boat was constructed and put thereon. The rooms, many of them, are described as beautiful beyond description. From the ceilings thousands of stalactites are suspended, the rays from the burning torches giving to them the appearance of mansions lined with diamonds and precious stones.—*Arizona Miner, Feb. 7.*

MORE WANTED.—A record of the various penal convictions undergone by "Procrastination, the thief of time." A nail from the "finger of scorn." A hammer for "breaking" bad news. A saucer for the cup of misery." A plaster for "wounded feelings." A cement for mending "broken accents." A receipt for the wages paid when "good digestion *waits* on appetite." The title-page of the "book of Nature." The (circular) saw with which a noted orator *rounded* his periods. The tree that was cut down by *axe-ident*. The regal insignia with "the end *crowns* the work."—*Funny Folks Annual.*

Black Ink.

Bruised galls, one pound; logwood, copperas and gum arabic, half a pound each; water, three gallons. Boil all in the water an hour then strain.

"Do fishes go crazy?" is a conundrum proposed by Seth Green. Sometimes they get in seine.

If you turn an American "State" upside down you will find the *Etats* of the French Republic.

AMERICAN Berkshire Record.

Authentic and Reliable Pedigrees

Of the principal families of Berkshire Swine, with dates of farrow, addresses of breeders, etc.,

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FOREMOST BREEDERS IN ENGLAND AND AMERICA.

Volume I. contains the standard of Characteristics and Marks of Berkshire Swine, adopted by the National Convention in 1872; and Volume II. the STANDARD OF EXCELLENCE, more recently adopted by the AMERICAN BERKSHIRE ASSOCIATION. In each will be found

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The price of Vol. I. is $3.50, post-paid; that of Vol. II. $5.00, post-paid. Volume I. and II. will be sent, if ordered at same time, (although both need not go the same address) for $8.00, post-paid, the money to accompany the order.

BLANK FORMS FOR PEDIGREES,

Bound in sets of one hundred, with stubs for retaining memoranda, for $1.00 per set. These forms are adapted to general use by breeders of all kinds of farm and domestic animals, and are designed to aid in the systematic preservation of pedigrees.

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I. The Origin, Breeding and Management of Berkshire Swine.

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These two Essays, for which the Association paid $100 each, and the seven illustrations therewith, have been published together in pamphlet form. They will be sent post-paid on receipt of 25 cents.

For further information, read carefully the Third Annual Report of the Association, and the Suggestions, Instruction and Rules therewith, or Address,

N. B. These Splendid Volumes can be seen at THE FARMER OFFICE.

PHIL. M. SPRINGER, Sec'y,
Springfield, Ill.

PATENTS

In connection with the publication of the *Scientific American*, we continue to act as Solicitors for Patents, Caveats, Trade-Marks, Copyrights, etc., for the United States, Canada, Cuba, England, France, Germany, etc. In this line of business we have had *thirty-three years' experience.*

Patents obtained through us are noticed in the *Scientific American*. This large and splendidly illustrated weekly paper shows the current progress of Science, is very interesting, and has an enormous circulation. Subscriptions $3.20 a year, postpaid; single copies 10 cents. Sold at all Book-stores and News-offices.

Can I Obtain a Patent? The quickest and best way to obtain a satisfactory answer, without expense, is to write to us (Munn & Co.), describing the invention, with a small sketch. All we need is to get the *idea*. We will immediately answer, and give the necessary instructions. For this advice we make *no charge.*

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Farmers' Accounts.

WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer.

A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to

List of Australian Duties.

Our Merchants and Shippers of Goods to Australia who desire to know the rates of duties to the several Colonies, can find a "List of Duties" of each district at the Office and Reading Room of the CALIFORNIA FARMER, 320 Clay Street, San Francisco.

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GARDEN, FLOWER, GRASS,

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TREE SEEDS.

SOLICIT Orders for the above from the TRADE, also, *GLADIOLUS* and all other *BULBOUS ROOTS.*

44:15 Price Lists on Application.

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The following valuable new works just received at THE CALIFORNIA FARMER OFFICE, 320 Clay Street, worthy special attention.—

"PLAIN HOME TALK AND MEDICAL COMMON SENSE,"

A most valuable work, one volume, 900 pages, fully illustrated with 200 engravings.

"SCIENCE IN STORY,"

A most interesting volume of nearly 1200 pages, admirably illustrated; Also, "Science in Story" in five volumes, most admirably written and most inviting to every reader and conclusive in the arguments of every story.

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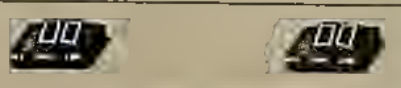

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Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the best, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows.—All line advertisements will be ONE DOLLARS for Five Lines, or less, Nonpareil, *first insertion*; larger space, *Fifteen Cents per Line*; each subsequent insertion, *Ten Cents per Line*. This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community.

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $30.00.

For one-eight of a column, three months	$16.00	For one-half of a column, three months	60.00
For one-quarter of a column, three months	30.00	For an entire column, three months	100.00

For a six le month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable: the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rate

WARREN & CO., Proprietors,
320 CLAY STREET, SAN FRANCISCO.

Worth a Guinea a Box!

CLARKE'S

Liver and Bilious Pills.

The BEST MEDICINE you can possibly take for Indigestion, Fever and Ague, Wind in the Stomach or Bowels, Sick Headache, Heartburn, Giddiness, Drowsiness, Languor, Spasms, Pains and Fullness at the pit of the Stomach or region of the Liver, Loss of Appetite, Diarrhœa, Dysentry, and the most certain cure for Piles is

Clarke's

LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

TESTIMONIALS:

WONDERFUL!

WARWICK, QUEENSLAND, APRIL 21, 1877.

MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR,—I think it my duty to you, and for the benefit of others, to state, that for the past two years I have been troubled with a pain in my left side, I think through a hurt. I have been under the treatment of two medical men here. One told me I had heart disease; another, disease of the lungs. I went to Brisbane and consulted one of the leading Physicians there. I spent thirty pounds with doctors for medicine, and was worse than when I commenced. I could scarcely breathe for pain, and had given up hope that I was ever to be better. I heard of many cures by your Liver and Bilious Pills; I thought I would try them. I have only taken three small boxes: the pain is gone, my general health is improved, and now I can work as well as ever I have done. I have been working on the roads. My case has been well known here, and my wonderful recovery. Being for ever thankful to you. I am, truly yours,
WILLIAM STEWART.

PARTICULARLY NOTE THIS.

HERMITAGE, WARWICK, August 14, 1877.

MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR,—Four years ago I was sluicing tin at the Tin Mines. With standing in the water I took cold shiverings with night sweats—lost all desire for food. Consulted a Physician in Warwick, was under his treatment four months without improvement. Dissatisfied went to another, who gave me no hope of recovery, but improved a little under his treatment. One day, being very warm, I bathed in the river, and coming out of the water felt very ill. Went back to the doctor, who renewed the medicine without any benefit. In addition to the weakness and night sweats I had intense pain through my body, especially in my left side. My breathing was so painful and difficult, I thought I would be suffocated. I was five months, after the relapse, under the Doctor's treatment, getting worse every day, till the Doctor told me to go home, that I could not possibly live a week. I went home very sad. My wife persuaded me to try your Liver and Bilious Pills. I did. Before I used one box the night sweats were gone, the pain in my side better, my appetite improving. Got another box, and before it was finished, the pains were all gone, my breathing improved, and now, two months after, I never enjoyed better health, can do my work as well as I ever did. I can thoroughly recommend your Pills as having saved my life.
MICHAEL BYRNE.

WARWICK, December 30th, 1872.

To MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR.—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed good *health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 23, 1874.

To MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR.—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)
JOHN GREEN,
—Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus:

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Farco & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir:*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it but if I must take it give me the Eucalyptus above all others. Yours sincerely,
GALEN CLARK.

We have the names of scores of well known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you David Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY

David Clarke,

Manufacturing and Wholesale Chemist,

AT HIS LABORATORY,

Warwick, Queensland.

FOR SALE BY

WARREN & CO.,

SOLE AGENTS FOR THE

UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

COMMISSION SALES-ROOM, —AND— Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by EXPRESS, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and every article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

BOOKS---SEEDS---TREES

All rare and choice things can always be purchased as above.

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE,

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 5 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distances safely, and will be sold low in large lots. Also

EUCALYPTUS SEED.

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine **Patent Bee Hives** of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,
320 Clay Street,
SAN FRANCISCO.

EUCALYPTUS OIL.

The pure EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Liniment for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Liniment is needed, as it has been proved to be the best Liniment known.

FOR SALE,
Wholesale and Retail,
WARREN & CO.,
320 Clay Street,
AGENTS FOR DAVID CLARKE'S REMEDIALS.

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill*" this we cannot do without CASH, or a special understanding before hand.

WARREN & CO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, April 17, 1879.

Money and Exchange Tables.

Exc. on England, new style, long and short	4 87½ a 4 88
Gold, at par	— 1 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	8s 9d a 9s 2d.
Value of Club Wheat in Liverpool	9s 3d a 9s 6d.
Value of Wheat in New York, bushel	1 09 — 1 12
Brewers Barley in New York, bushel	90 — 1 10

MONEY AND EXCHANGE TABLES.

The immense sale of U. S. Bonds shows plent of money yet—it accumulates in Washington, while business men need it.

We repeat what we said in our last issue, true then, it is more true now.

Money everywhere, in all the great marts of trade, is very abundant and rates of interest low, the very great depression in trade stops business, and no one feels like investing either in trade or any manufacturing business, and this state of things will continue till after the Constitution question is decided—if our people *reject it* "The country is safe," if they accept it, look out for the Porphyry House, and a general stagnation of trade, for our people see danger and trouble in the New Constitution, and its rejection only can give confidence and make trade revive once more.

Money in New York is a drug, as low as 1, 2, 3 per cent per annum on three months' paper.

Our bank rates are 7 to 9 and 9 to 12 per cent, according to cases—long loans can be had at 7 per cent and less.

There is now more coin in the vaults of the U. S. Treasury than in both the Banks of England and France.

GRAIN AND FLOUR MARKET.

The *Grain* and *Flour Market* can be said to be in a peculiar condition, for while there is a very large surplus of grain for export on hand it may be difficult to send it forward for want of ships, as there is a growing scarcity of good seamen—a thing rarely if ever known before.

By reason of continued late rains and so copiously, all fears about the crops are over, and from present appearances we shall have a most abundant season in grain crops of all kinds.

Had we ships ready manned now, there would be large shipments of flour and grain abroad, not that the market offers good prices but from a desire of holders here to sell.

Our grain holders we think are now ready to meet the market and sell, and so of our millers. Flour has fallen in price and will go lower, and this will induce very large shipments as soon as the ships are ready.

The *Wheat market* has now been checked and prices must rule lower—in spite of the "say so" of would be dictators of the markets, wheat and other grains will make lower figures and this by reason of the European markets, which are not so favorable just now, and also, our ships will soon be tied up here.

The wheat market is really from 5 to 10 cents lower, even with our efforts at export.

The *Barley market* rules low and will remain so, although Australia and New Zealand has been a good market for barley, the last shipments thence have glutted that market, and made shippers from this side count their profits "over the left."

The *Market for Oats, Corn, Rye* and *Buckwheat* are all dull with very light sales, and at lower rates.

The *market for Feed Stuffs*, such as *Bran, Middlings, Corn Meal, Ground Barley*, and *Oil Cake Meal* are all about as last report, and even a little lower.

We can say truly that the "pall of dullness" prevades the grain trade—and will so continue until the great question of that Constitution is fixed.

The *Hop market* may be said to have *gone in*, for there is no market at all for hops hardly anywhere—England has sent her 2, 3, or 4 year old hops, all the refuse stock, to Australia and glutted that market, therefore we have no market there for our stock—hops are a dead letter at present.

The *Hay Market* is down in value, and the quality of hay on the market is not as good as usual.

The *Honey market* rules very, very low—see our market with fine comb honey at 10 cents a pound—while we can export 1,000 tons in 1879—*Beeswax* is wanted for export.

The *market for Hides, Leather* and *Tallow* may be said to have taken a little more lively and better rates for hides and leather.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 45 — 1 50
do Choice do	1 60 — 1 65
do Milling do	1 67 — 1 70
Barley, per 100 lbs., feed	70 — 75
Barley, for brewing, (Chevalier)	1 05 — 1 10
Rye	85 — 95
Oats, California, per 100 lbs	1 25 — 1 50
Corn, do. do.	90 — 95
Flour, Superfine, per bbl	4 00 — 4 25
do. Extra	4 25 — 4 50
Extra Flour for shipping	5 00 — 5 25
Very Extra Family Flour	5 25 — 5 50
Oregon Superfine	4 00 — 4 25
do. Extra for Shipping	4 75 — 5 00
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 25 — 1 50
Bran per ton	12 00 — 12 50
Middlings per ton	17 50 — 18 00
Ground Barley	18 50 — 20 00
Oil Cake Meal, for feed, per ton	— 32 00
Beans, per 100 lbs, various	1 75 — 3 00
Beans, Lima	4 00 — 4 50
Potatoes, common	65 — 75
Potatoes, choice	1 10 — 1 20
Early Rose	1 25 — 1 40
Sweet Potatoes	2 40 — 2 50
Onions, new	12 50 — 13 50
Hay per ton, ordinary	9 00 — 10 00
Hay per ton, extra	11 50 — 13 00
Wheat Hay	12 50 — 13 00
Alfalfa Hay	—
Straw per ton	5 00 — 6 00

Retail Prices in the Fruit Market.

Our *Fruit market* is now beginning to show its new fruits—Strawberries begin to flow in freely and prices to come lower, within the reach of more people—Oranges are not as plenty, other tropical fruits are plenty—Apples are still good—Nuts plenty, so a good dessert can be had.

Cherries are promised for next week, and other early fruits will soon follow.

Apples, per box	75 — 1 50
do. do. lb	6 — 8
Pears, per box	2 50 — 3 50
" per lb	10 — 12
Figs, dried, per lb	12 — 16
Tahiti Oranges, per doz	25 — 30
Lemons, imported, do	30 — 50
Limes, do. do.	20 — 25
Pine Apples, each	75 — 1 00
Bananas, per bunch	2 00 — 3 50
California Oranges, per dozen	10 — 40
" Lemons, "	30 — 40
" Limes, "	15 — 25
Strawberries	10 — 12
Persimmon	20 — 25
California Walnuts, per pound	8 — 12
Almonds, hard shell, per pound	12 — 15
do. soft shell, do.	10 — 13
Foreign Pecan Nuts	12 — 15
Madeira Nuts	12 — 15
Foreign Brazil Nuts	15 — 20
Filberts	12 — 15
Chili Walnuts	7 — 10
Pea Nuts	8 — 10

Retail Price in the Vegetable Market.

Our *Vegetable Market* shows steady improvement in quality and quantity as the season advances, one great feature in the market just now is the great abundance of Asparagus, never before have we seen so great quantities, or so superior grass and at so low prices—New Potatoes, Green Peas, Rhubarb, all are fine, Tomatoes, Sallads, and all market stuffs are excellent.

Asparagus	3 — 4
Artichokes, (French) per doz	15 — 20
Tomatoes, per lb	3 — 4
Beets, per doz	— 25
Broccoli, each	8 — 10
Cauliflower	8 — 10
Cabbage, do.	— 25
Carrots, per doz	75 — 1 00
Celery do.	— 75
Celery Root per dozen	10 — 12
Cress, per dozen bunches	60 — 80
Cranberries, per gallon	30 — 40
Dried Herbs, per doz	4 — 5
Green Peas, per lb	12 — 12
Lettuce per doz. bunches	15 — 18
Onions per lb	12 — 15
Horseradish, per lb	— —
Okra, green, per lb	— 50
Okra, dried, per lb	— —
Choice Potatoes	1½ — 2
New Potatoes	4 — 5
Potatoes choice, per 100 lbs	1 50 — 2 00
Kidney Potatoes, per lb	2 — 3
Parsnips, per doz. bunches	1½ — 2
Pumpkins	— —
Salsify, do. do.	— 20
Parsley, do. do.	— 20
Pickles, per gallon	15 — 20
Radishes per doz. bunches	40 — 60
Rhubarb, per lb	6 — 8
Squash, Marrowfat	5 — 5
do. Hubbard	2 — 3
Lima, Dry	8 — 10
String Beans, per lb	— —
Spinage per lb	— 8
Salsify, per bunch	4 — 5
Turnips, per doz	— 20
Garlic	8 — 10
Eschalots	15 — 20
Mushrooms	8 — 10

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea. Our salmon beat the world for this choice fish.

Salmon ₱ lb	8 — 10
do smoked new	10 — 12
do pickled, ₱ lb	6 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Smelts, per lb	— — 10
Perch do.	— — 10
Rockfish do.	— — 10
Codfish, dry, per lb	— — 8
Herring, fresh, per lb.	— — 25
do smoked, ₱ doz	— — 12
Tomcod, per lb	— — 10
Sardines, fresh, per lb	15 — 20
Solefish, per lb	— — 25
Mackerel pickled, each	— — 8
Shrimps, per lb	8 — 10
Flounders do.	12 — 15
Sea Bass do.	20 — 25
Halibut do.	40 — 50
Sturgeon do.	2 — 4
Turbot do.	30 — 40
Terrapin, ₱ doz	2 50 — 3 00
Pompano do.	— — 2 50
King Fish do.	— — 25
Anchovies do.	12 — 15
Frogs, per doz	2 00 — 2 50

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market. Oysters are showing nice and fat and the public appetite now craves this delicious bivalve Every day a grand show in our market.

Oysters ₱ 100 choice	75 — 1 00
Chesapeake oysters per dozen	50 — 75
Crow Fish, per lb	12 — 15
Clams per 100	— — 50
Mussels do	— — 25
Crabs, boiled, each	— — 25
do. soft, per doz	— — 50

Retail Meat Market.

The *Retail Meat market* furnishes all the choicest kinds at unusually low figures for this season of the year, and thus is an unusual full market.

Porter House	15 — 20
Porter House, extra	20 — 25
Beef, tenderloin, per lb	15 — 18
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	16 — 18
Veal, per lb	8 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	10 — 12
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	10 — 12
Beef tongues, each	— — 75
Pigs tongues, each	— — 15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do do sugar cured	14 — 16
Hams, California	13 — 15
Choice hams, Dufficld	15 — 18
Whitaker, St. Louis, Mo	15 — 18

Poultry and Game Market.

The *Poultry market* has been fairly supplied, and prices generally steady.

The game season is over yet there is still game in market by stealth.

RETAIL PRICES.

Ducks tame each	75 — 90
Canvas Backs, pair	75 — 1 00
Small Ducks, dozen	1 50 — 2 00
Geese tame, per pair	2 00 — 2 50
Broilers	50 — 60
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	25 — 28
Snipe, English per doz	3 00 — 3 50
Pigeons, domestic, per doz	4 00 — 4 50
Quail, per doz	1 00 — 1 50
Hares each	25 — 38
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Squirrels, per pair	— 25

Poultry and Game—Wholesale.

Broilers, per doz	4 00 — 5
Large Chickens, per doz	6 00 — 7 00
Hens, per doz	7 00 — 8 00
Turkeys, dressed, per lb	19 — 21
Ducks, tame, per doz	7 00 — 7 50
Canvas Backs, dozen	3 00 — 4 00
Small Ducks, dozen	1 00 — 1 50
English Snipe, per doz	2 50 — 3 00
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Quail, per doz	1 00 — 1 25
Hares, per doz	1 50 — 2 00
Rabbits, tame, per doz	1 50 — 1 75
Squirrels, per doz	75 — 1 00

Retail Dairy Market.

The *Dairy market* is just now fully supplied—dairymen are now packing down butter—choice roll butter is now selling as low as 23 to 25 to the trade, California cheese is more plentiful and at a lower figure—eggs are very plenty and the lowest of the season.

There is now large quantities of butter arriving from the East, an unusual quantity—this affects our market.

Butter, California, Extra Choice per lb	30 — 35
do. do. for (Cooking) do	20 — 22
do. do. packed best roll	25 — 30
do. do. Eastern	20 — 25
California Eggs, per doz	23 — 25
Oregon	— 23
Duck Eggs, do	— 25
Cheese per lb	15 — 20
do. Sage per lb	25 — 30
Eastern Cheese, do	25 — 30
Lard, California, per lb	16 — 18
Lard, Eastern, do	— 13
Honey, Comb	12 — 15
do. Strained	8 — 12
Vermont Maple Sugar, per lb	— 20

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb. (Fresh)	23 — 25
do. Packed Roll, do	21 — 23
Eastern Butter	16 — 20
Cheese, California, per lb	10 — 13
California Eggs, per doz	20 — 21
Eastern Eggs, per doz	21 — 22
Duck Eggs, "	18 — 20
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	13 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging Trade* is a little better and market for grain and wheat bags firm at 9½ to 9¾ cents, late delivery.

There will undoubtedly be enough bags to meet all demand this year, and although we believe there will be found to be more grain on hand than has yet been reported, we shall have bags enough for all.

Messrs. Neville & Co., the extensive bag manufacturers, 38 California Street, can supply our farmers at the lowest rates and on best terms.

Hand Sewed Bags, Standard, 22x36 com. prices	9 — 9½ cts.
Second Hand, Extra	8 — 9½ do
Machine Sewed, 22x36	8½ — 9 do
do. do 20x36	— 8½ do
Barley Bags, 22 x 40	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— 8½ do
Wool sacks, new	45 — 60 do
do. second hand	30 — 40 do
Potato Gunnies, Double Sewed	13 — 13½ do
do. do. Second Hand	10 — 10½ do
Flour Bags, quarters	4½ — 5 do
do. halfs, six qualities	7 — 9 do

Staple Home Products.

Our general assortment of *Home Products* show well, and their general increase show that our State and coast productions is fast stopping importation of many articles, and, because we grow, prepare and manufacture a better quality.

These are established facts known at home and abroad.

Flax Seed, per lb	2½ — 3
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	3 — 3½
Castor Oil No 1 Diamond in cases, per gallon	— 1 30
" " " barrels "	— 1 25
Castor Oil, No. 2 Diamond in cases per gallon	— 1 20
" " " barrels "	— 85
Linseed Oil, Boiled	— 75
do. Raw	— 72
Cocoa Oil	— 55
Bops, California	7 — 10½
Alfalfa	10 — 12½
Mustard Seed	2 — 3
English do.	4 — 5
Canary Seed	4 — 5
Coriander Seed	8 — 10
Broom Corn	4 — 6
Bees Wax	24 — 26

California Leather Market Report.

The *markets* for *Hides, Leather* and *Tallow* are all dull, these all feel the general apathy of trade, with sales nominal, prices and value rule low.

California Sole Leather	20 — 26
do. Harness do	28 — 30
do. Skirtings	30 — 37½
Bridle Leather	44 — 64
Rough do. Oak Tanned	18 — 22
Waxed Calf Skins	50 — 1 00
do. Kips do. per dozen	50 00 — 65 00
do. Leather per foot	13 — 15

Wool, Tallow, Hides, Etc.

The *Wool Market* has a little excitement by arrivals of new clip, and there are a number of early purchasers here—some sales have been made, but heavy sales none, and in the present depressed state of trade generally, no heavy sales will be made, the wool still goes East.

The prices of wool must rule low—such is the word from New York, Boston, Philadelphia and in Europe.

Wool, Spring Clip	12 — 15
do. Choice Extra	16 — 18
Fall Clip	14 — 16
Oregon Wool, per lb	18 — 20
Medium, bright	12 — 14
do. Burry	8 — 11
Goats' Wool (mohair)	20 — 75
Dry Hides, per lb	13½ — 13½
Green Salted, per lb	7 — 8
Deer Skins	60 — 1 00
Sheep Skins, wool on	25 — 75
do do. plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	5½ — 6½
Tallow, refined	8 — 8½

Average Slaughtering Prices.

The *Wholesale Meat market* continues well supplied, and at low figures, the quality of the meats in our markets are always A No. 1—this week prices are low.

Beef, American, 1st. quality	6 — 7 cts
do. do. 2d. do.	4 — 5 do.
do. do 3d. do.	3½ — 4 do.
Veal	6 — 8 do
Mutton	4 — 4½ do
Lamb	7 — 10 do
Pork, Undressed	4 — 4½ do
do. Dressed	6 — 6½ do.

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED ACCOMMODATIONS for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU March 17th, and every fourth week thereafter.

For NEW YORK via PANAMA; CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports; also, HAVANA and all WEST INDIES ports on 5th and 20th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

47 5

THE

"ORMSBY,"

CARSON CITY,

NEVADA.

FIRST-CLASS IN EVERY RESPECT.

HEADQUARTERS FOR ALL STAGE LINES OUT OF CARSON CITY, AND FOR LAKE TAHOE TRAVEL.

John T. Pantlind, Proprietor.

49:7

AUZERAIS HOUSE,

SANTA CLARA STREET, SAN JOSE.

S. W. CHURCHILL, Proprietor.

Auzerais House Coach and Carriages always in Attendance on arrival of trains.

TO DRUGGISTS AND APOTHECARIES.

THE GREAT EUCALYPTUS REMEDIALS.

These wonderful and truly successful medicines that have been so promptly effectual in curing Bilious and Liver Complaints, Rheumatism, Neuralgia, Fever and Ague, and Dyspepsia, can now be supplied in any quantity by

MESSRS. CHARLES LANGLEY & CO.,

who have been appointed as our

WHOLESALE AGENTS.

Messrs. Langley & Co. will supply Druggists and Apothecaries of our State and Coast with these GREAT REMEDIALS at shortest notice.

WARREN & CO.,

SOLE AGENTS FOR THE UNITED STATES.

C. P. R. R.

COMMENCING

SUNDAY, JUNE 6th, 1875.

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma. (Arrive 5:55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 5:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 5:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 9:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Summer, Caliente and Los Angeles. Also at Niles with Train arriving at San Jose 6:55 P. M. (Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily. (Arrive 6:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND.

"Daily"—7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M., 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.

"Daily, except Sundays"—6:10 A. M. and 11:45 P. M.

"Sundays only"—10:30 and 11:30 A. M., 12:30 and 1:20 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4:00 5:00 6:00 and 10:30 P. M.

"Sundays only"—11:00 A. M., and 1:20 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M.; 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—7:30, 8:30 and 9:30 A. M.; 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—8:30, 11:00 A. M. and 11:46

"Sundays only"—10:30, 11:30 A. M and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 and 10:10 P. M.

"Daily, except Sundays"—5:10 and 5:56.

"Sundays only"—11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:03 and 9:00 A. M.; 3:00, 3:58, 5:00, 6:06 and 7:06 P. M.

"Daily, except Sundays"—5:00, 5:40, 11:30, A. M., and 1:30 P. M.

"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—6:56, 8:00 and 11:06 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M., 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:30, 6:50, 7:20 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays"—8:20 A. M. and 1:50 P. M.

"Sundays only"—10:20 and 11:20 A. M; 12:20, 1:20 and 1:55 P. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad

NORTHERN DIVISION.

Winter Arrangement.

Commencing Monday, December 8, 1878,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows:

8:30 A. M., Daily for San Jose, Gilroy Hollister Tres Pinos, Pajaro, Salinas, Soledad and all Way Stations.

☞ AT PAJARO connects with the SANTA CRUZ, R. R. for Aptos and Santa Cruz.

☞ At Salinas connects with the M. & S. V. R. R. for Monterey.

☞ Stage connections made with this train.

10:40 A. M., Daily for San Jose and Way Stations.

3:30 P. M., Daily, (Sundays excepted,) for Gilroy.

4:40 P. M., Daily for San Jose and Way Stations.

6:30 P. M., Daily for Menlo Park and Way Stations.

☞ The extra Sunday train to San Jose and Way Stations is discontinued for the Winter season.

☞ EXCURSION TICKETS to San Jose and intermediate points and return sold on Saturdays and Sunday mornings—good for return until following Monday mornings.

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

☞ Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 4:00 P. M. daily, and making close connection at GOSHEN for Sumner, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton Colorado, River and YUMA.

S. P. R. R.

(NORTHERN DIVISION.)

☞ SPECIAL ANNOUNCEMENT. ☜

Commencing Saturday, July 13, 1878.

EXCURSION TICKETS

Will be sold by this Company from

SAN FRANCISCO

—TO—

San Jose and other Points and Return,

At Greatly Reduced Rates.

Tickets to San Jose, good for Return by either the Southern or Central Pacific Railroads.

☞ These tickets will be sold ONLY on SATURDAYS and SUNDAY MORNINGS.

The RETURN TRIP Ticket will not be good for passage after the MONDAY following the date of purchase.

Ticket Offices—Passengers Depot, Townsend Street and at Valencia Street Station.

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Tk't Agent.

NOTICE—SAN JOSE Excursion Tickets (via C. P. R. R.) can be purchased at the Offices of the Central Pacific Rail Road, Oakland Ferry, foot of Market Street, San Francisco, also, at the several Ticket Offices in Oakland. 48:8

1854. 1879.

THE

CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY FIFTH year with 1878, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD of the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on this Coast—this was at Sacramento in the year of 1852, and also the GRAND FAIR at San Francisco in 1853—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

THE CALIFORNIA FARMER was the first and only advocate of SILK CULTURE, TEA CULTURE, COFFEE CULTURE, COTTON CULTURE, and the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS, and this was in early years when the masses lightly entered all such enterprises.

THE CALIFORNIA FARMER was the first and only advocate for the planting of the ALFALFA as a forage plant, and the first to introduce the seed and its culture, and not only this grass, but all other valuable grains and forage plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STONING WHEAT, of SUMMER FALLOW, of SUBSOILING, and of DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL—doctrines that are now, after long years of trial become the basis of true and successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE OF AGRICULTURE, which such years of labor merit, our JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

The TERMS OF THE CALIFORNIA FARMER being placed at a low price, should induce, as we trust it will, a generous addition to our LIST OF SUBSCRIBERS for the year of 1879.

Desirous of placing this old PIONEER AGRICULTURAL JOURNAL, (The only exclusive AGRICULTURAL JOURNAL of the Pacific Coast), before the people at so low a price that all can have it, we make the following

Terms for the Year 1879.

And With Seed Premiums.

Single Copies,	$1 00
Six Copies,	5 00
Ten Copies,	8 00
Twenty Copies,	15 00
Fifty Copies,	35 00

CITY SUBSCRIBERS

Will have their Papers Delivered at their Residence or Post Office Box, as they may desire.

California Farmer,

1879.

OUR NEW CLUBBING LIST.

We propose for the year of 1879 to offer to our Patrons the following valuable JOURNALS in connection with our own, all at reduced rates, so as to give them the best works at low rate—(all postpaid). Price per year.

The FARMER and VICK'S MONTHLY MAGAZINE	$2 50
The FARMER and AMERICAN AGRICULTURIST	3 00
The FARMER and POULTRY JOURNAL	3 00
The FARMER and RURAL NEW-YORKER	3 50
The FARMER and PHRENOLOGICAL JOURNAL	3 00
The FARMER and AMERICAN BEE MAGAZINE	2 00
The FARMER and SCIENTIFIC AMERICAN	7 00
The FARMER and HARPER'S MONTHLY	5 00
The FARMER and HARPER'S WEEKLY	5 00
The FARMER and HARPER'S BAZAR	5 00
The FARMER and HARPER'S THREE WORKS	7 00

[Others to be added.]

WARREN & CO.

EDITORS AND PROPRIETORS,

820 CLAY ST.

SAN FRANCISCO.

BOOK OF POLITENESS and list of 1500 pieces of new sheet music, full size at half price, 10 cents, postpaid. J. HEISLEY, Freehold, N. J.

CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, MAY 1, 1879. NO. 8

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

No. 320 Clay St., (up Stairs) Below Battery,

SAN FRANCISCO.

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POSTMASTERS in all places, are requested to act for us.
WHITE & BAUER, Washington Street, San Francisco.
WAITE, BURNNELL & CO, Seedmen, High Holborn, London.
FREDERIC CONNER, Esq., News Agency, Paris.
BRYDON & CO., Brisbane, Australia.
DAVID CLARKE, Chemist, Warwick, Queensland.

TERMS OF PAYMENT.

☞ Advertisements and Subscriptions are all payable in Advance.

☞ Our full ADVERTISING RATES will be found on the SECOND PAGE.

All Letters on Editorial Matters to be addressed to COL. WARREN, EDITOR.

☞ All Letters on Business connected with the Office should be addressed to

WARREN & CO., Publishers.

THE NEW CONSTITUTION.

DOUBLE TAXATION.

HOW IT WILL WORK AGAINST THE FARMERS.

The clause in the new Constitution relative to the assessment of land will work peculiar hardship in the foothills. Section 2 of Article 13 says:

"Cultivated and uncultivated land, of the same quality and similarly situated, shall be assessed at the same value."

Now let us see how that will work among the small farmers of the foot-hill section. When the Assessor comes around the conversation will be about like this:

Assessor—How much land have you, Mr. Granger?

Granger—Three hundred and twenty acres.

Assessor—It is all about of the same quality, isn't it?

Granger—Yes; there is no essential difference in the quality of the land that I am aware of.

Assessor—All under cultivation?

Granger—No, sir; there are but fifty acres cultivated at present.

Assessor—What do you value your cultivated land at, Mr. Granger?

Granger—Well, I hardly know. I don't wish to sell, and have never given the subject much consideration.

Assessor—I am assessing cultivated land in this vicinity at $25 an acre; do you consider that an excessive valuation?

Granger—No. I think my cultivated land is worth $25. I wouldn't take that for it.

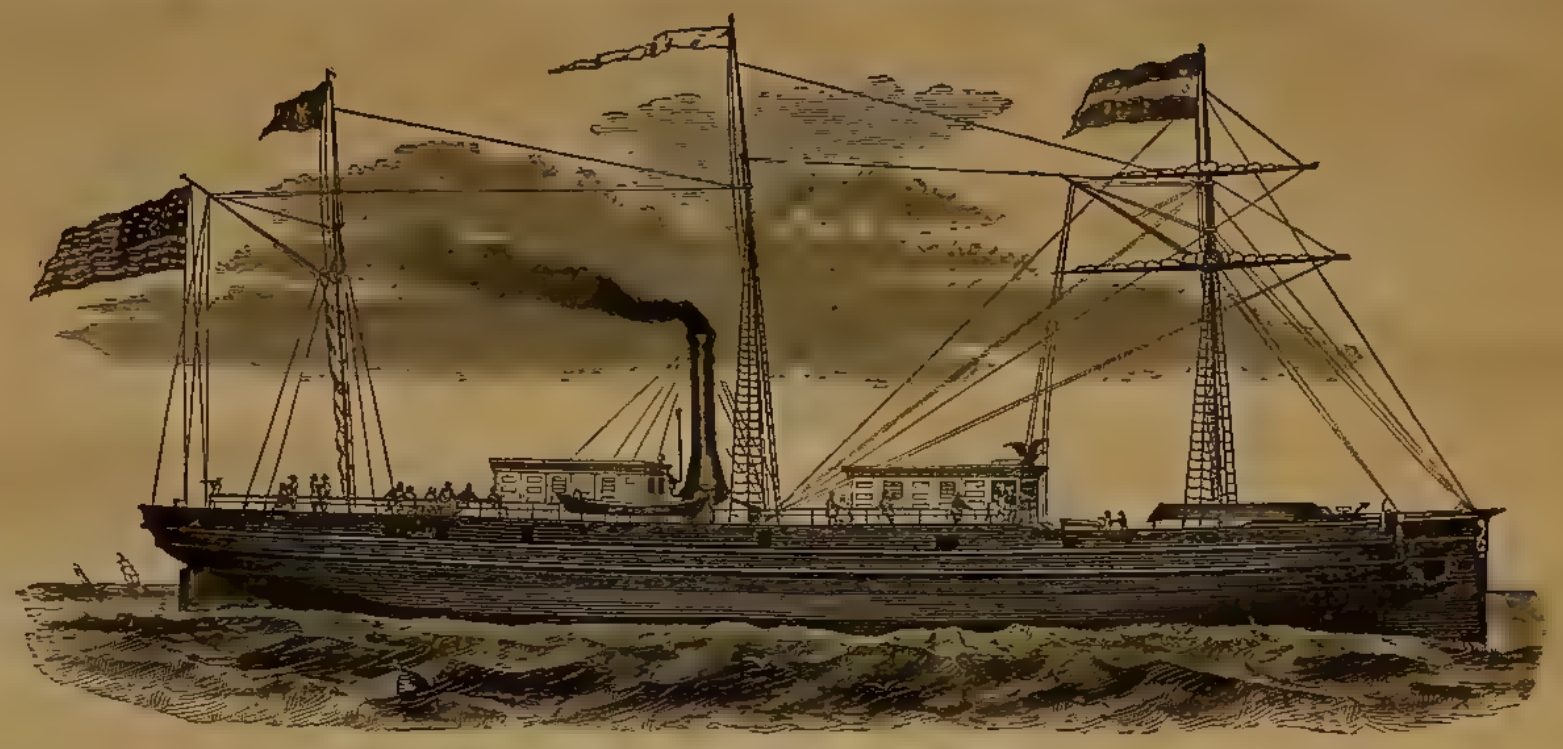
Assessor (figuring)—Very well, then, Mr. Granger, I value your land at $8,000; the buildings and other improvements I shall assess separately.

Granger—What! eight thousand dollars! Are you crazy? Why, sir, I only paid $1.25 an acre for this land, and 270 acres of it has not been improved or cultivated in any way, and isn't worth a grayune more to-day than it was when I pre-empted. What do you mean? Fifty acres, at $25, would be $1,250. I am willing you should put down the remaining 270 acres of my claim at $2 per acre—certainly not above that; 270 acres of my claim at $2 would be $540, which added to the value of my cultivated land, makes a total of $1,790 for the whole ranch—every dollar it is worth. Why, sir, every dollar I can produce and save in a year, over and above a bare living for my family, would not suffice to pay the tax on $8,000.

Assessor—I can't help that. The new Constitution says that cultivated and uncultivated land, of the same quality, shall be assessed at the same value, and I am consequently compelled to assess you $25 an acre for all your land. You can apply to the Board of Equalization, Mr. Granger, but as the clause in the Constitution I have referred to is mandatory, I don't think you stand any chance of getting a reduction.

[The *Calaveras Chronicle* presents the above statement of *facts*, of how the NEW CONSTITUTION will affect our farmers in the way of taxation upon their lands—to this statement we call the particular attention of all farmers, for they already have a load of taxes as heavy as they can bear.—ED. F.]

OUR EXTRA EDITION---FIVE THOUSAND.



OUR SHIP OF STATE.

THE OLD SHIP AND THE NEW.

THE OLD CONSTITUTION AND THE NEW.

The battle now waging in our State may be likened to the ocean battle in our war of independence, to the fight between that staunch ship of war, the *old Constitution*, with the enemy's ship the *Gurierre;* all remember the result, *old Iron Sides* won the battle and the *Gurierre* struck colors and was destroyed, captured, so must it be in the battle now, we put the *old Constitution* in battle against the *new*, and it will be like the battle alluded to above,

Old Iron Sides will win,

Our Ships of State thirty years old, will come off victorious!

We believe the OLD CONSTITUTION that has carried our State safely for thirty years, can safely carry us on still, and if there are new wants of the people, the Legislature can correct all defects and add new provisions that shall benefit the people.

SAVE THE OLD CONSTITUTION

Must be the watchword of every good citizen now; keep the old Constitution under full sail, if a new plank or spar or sail is needed to make her sweep the Ocean of our State, better furnish them, but never touch mast, spar or sail, hull, keel or rudder, but to repair them, then guard her well and we are safe.

Guard well each mast and spar and sail
If traitors come, like leaden hail
Send Free men's ballots to make them quail;
Work bravely with a Freeman's soul
Right manfully at every poll.
And with *Ten Thousand* mark your victory's roll
Then will our SHIP OF STATE float free
The Ship of FREEDOM and of LIBERTY.

AGRICULTURE AND THE NEW CONSTITUTION.

The agricultural interests of our State are invariably admitted to be the *basis of all our prosperity*, this is clearly proved by the great anxiety shown by all classes when the *rains are delayed*, or any blight touches our great grain crops, for upon these the masses are dependent and all business operations are based.

And yet with such mighty interests at stake, the *new Constitution* has stricken out all appropriations to this great interest, it has blotted out the appropriations which were made to the STATE AGRICULTURAL SOCIETY, to all the DISTRICT AGRICULTURAL SOCIETIES, and the MECHANICAL INSTITUTES, and ignored all that wise and paternal aid which every other State always give with a liberal hand to these great interests.

We are confident that our farmers, orchardists, vineyardists and stock raisers, the great mass of our agriculturists who pay the largest amount of taxes, have not yet noted these facts, that all aid to these *Industrial Institutions* are *completely cut off* in the *new Constitution*, and as with these, so will it be in regard to the aid for our *Agricultural College*, which is the recipient of a large bounty from the State.

Our farmers who are ever among the liberal minded for *charity* and *benevolent enterprises* will see that not only is all aid to the cause of AGRICULTURE and the MECHANIC ARTS stricken out of the *new Constitution*—but all aid to the *unfortunate*, all *benevolent aids*, as we show in another column, and thus every community must bear the costs of these, instead of the State Treasury—let a just thought be given to these matters and our farmers will reject the new Constitution by the ballot of—NO.

"The Legal Ticket to be Voted on the 7th of May—

"Against the New Constitution."

OUR STATE IN DANGER.

TO THE RESCUE.

The "Golden State" is in danger, and the watchword of every man who values his "Birthright" or who would battle for his "Home" must now awake to his duty and come to the rescue, for the *danger* is immediate and the *perils* many and near at hand.

SAVE THE SHIP.

Our "Ship of State" is among the "Breakers" and upon a "Piratical Coast," and it is now surrounded by ten thousand "Wreckers," ready with *false lights* to lure the ship upon the rocks, so they may destroy it and seize the cargo as their spoils.

FARMERS, TO THE RESCUE!

It is our special duty to send out a warning voice to our FARMERS that they may save their "Homesteads" from the pirates of our land, who would take from them their "Homes"—pirates that would wrest from them the fruit of their labors of long, long years, and it is for this reason, in this "Hour of Danger," that we send out a warning voice to the *farmers of our State*, and say to them,

TO THE RESCUE! TO THE RESCUE!!

Farmers, remember that however many long years you have labored and toiled to build up a home for your wife and children, now in this "Hour of Peril," your "Homes" which are your "Birthright" are in danger. Every vote tells, and remember also that there are thousands everywhere, who are ignorant, who cannot read or write, and who pay no taxes, own no homes, and yet *whose votes* tell equally with your own—now it is your *duty* and your *opportunity* to win such unfortunates from error, and lead misguided men to help you in this great work

FARMERS, TO THE RESCUE!

Plead with the ignorant, instruct, lead, guide them in the right way, and win them to help you in the great and important duty that is now of so much moment in this "Hour of Peril" to our State.

WE ARE NO POLITICIAN,

We plead for no party, sect or creed, we plead to save our "Farmers' Homes," to save their lands from unjust and double taxation, we plead to save our farmers from falling into the hands of designing and corrupt politicians who would destroy the bright hopes ever vouchsafed to the *laboring man*, and that too, when the *Spring time* opens up to them the most cheering prospects of a bountiful year ever yet presented to our State.

FARMERS, TO THE RESCUE, AGAIN!

We have never taken part in any political warfare yet, because it is not our province to do so—but we do not look upon the present great warfare as a mere *political fight*, we esteem it a war of designing persons who are about to wrest from us our "Birthright."

Our present Constitution which is safe and sure, and which has stood the winds and storms of nearly thirty years and carried us safely onward, and to give us instead, a "Ship of State" that has many a worm eaten plank from the deck to the keel, that will surely founder our ship and wreck us upon the rocks of ruin upon a lee shore.

Farmers, read the article in another column upon the matter of "Double Taxation Upon Your Lands," which is all important for you to know—and once more we say to you,

FARMERS, TO THE RESCUE.

"The Legal Ticket to be Voted on the 7th of May—

"AGAINST THE NEW CONTSITUTION."

STOPPING EMIGRATION TO OUR STATE.

The adoption of the NEW CONSTITUTION will assuredly check emigration to our State more than any measure that its bitterest enemies could possibly devise, already the news has gone abroad East, that capital to a very large amount that was intended to be invested in manufactures and new buildings and improvements has been turned from these enterprises and sent abroad, and that many large improvements in view have been abandoned, by reason of the fear that the *new Constitution* would be adopted, which by reason of heavy and *unjust taxation* would cripple all our industries.

A very large, an immense amount of capital that would have been invested in *Industrial Enterprises* has been changed into our U. S. Bonds, and the gold paid for them sent East to "Uncle Sam's Treasury" where now there is nearly $400,000,000 locked up, doing no one good, while our mechanics and working men go about our streets seeking employment.

MECHANICS AND WORKINGMEN!

look to it, if you want work now, what will you do if the NEW CONSTITUTION *should be adopted?* just as sure as this is done for every *day* you stand idle now, you would be out of employ for *a month* then.

Look to your votes! your Labor, your Bread, your Homes, depends upon your own action now.

THE RAILROAD INTERESTS.

During the present hotly and we say furiously contested elections, the bitterest party feeling will be drawn out, and, as is well known the bitterness and spite so long and so constantly hurled against the *Railroad Interest* will necessarily be kept up virulently—even to the bitter end.

We would ask our farmers and producers seriously to consider what would be their condition, and how could they market their Grain, Hay, Wool, Fruit, Wine and other products were there no RAILROADS?

The price of shipment of all these products are not one quarter of what they were *Ten years ago*, and every year less and less, and yet some will complain.

Yes, there would be grumblers even were the cost *half* what it is now—yet we ask in all earnestness for TRUTH and JUSTICE sake, why not give *due credit* for the reduction of the cost of transportation of our products to the *Railroad*, for what they have already done, instead of the bitter tirade against them now for what they can not do—farmers be *just* in this matter, and you will then find your reward in it.

More Taxation under the New Constitution

We believe the ordinances of indebtedness under the new Constitution reads:

"*All* property in the State under the new Constitution is to *taxed*."

It construes property thus and says:

"Property shall include money, bonds, stocks, dues, franchises, etc., capable of private ownership."

Now the highest evidence of dues is a judgment of a court, we now ask, are not under this clause all judgments of all the courts in the State to be assessed to the *judgment* creditor?

It is clear that this must be, this will add millions to the assessment roll.

The bloated merchant *who trusted* out a bill of goods for which the buyer failed to pay, and who, hoping to obtain something in the future from his debtor, he has obtained a judgment and will now have the agony of having to pay taxes on this judgment that is entered up against his insolvent debtor.

VOTERS OF THE STATE OF CALIFORNIA.

ON THE 7TH DAY OF MAY

You are to determine whether or not you will adopt the new Constitution.

No question of equal importance has ever been presented to you for decision.

STAND BY THE OLD CONSTITUTION,

For under it you are "Free and independent, and have the inalienable right to enjoy and defend life and liberty, to acquire, possess and protect property and to pursue and obtain safety and happiness. Taxation is equal and uniform, and Boards of Supervisors, County Clerks, District Attorneys, Sheriffs, Tax-Collectors, Assessors, and all other necessary officers must be elected by the people."

If you vote for the new Constitution you give rights to one which are denied to the other. You make taxation unequal. You confiscate private property for public use without compensation. You kill enterprise. You injure and may destroy the public School System, and you surrender that which should be guarded by you as one of the most precious jewels you possess—the right to elect those who shall manage your public affairs.

A majority of the framers of this new Constitution were good, honest men, but lacking in experience they proceeded without concert of action, and a minority, fully organized and led by crafty men, carried the day, and now offer you in the place of our present Constitution, with its clear, precise and unequivocal provisions, a voluminous document which, instead of being a declaration and reservation of the rights of the people, and a grant of power to the Executive, Legislative and Judicial Departments, is a strange mixture of Organic Laws and Status, expressed in such contradictory, uncertain, ungrammatical and ambiguous words and sentences that its meaning can never be interpreted with certainty.

Its principal aim seems to be class legislation. It strikes the "rich," but its blows recoil upon the "poor." The poor man needs the man with money and enterprise to give him work. Strike the latter and you take away the bread from the mouth of the former. A combination of capital is needed to build factories, tunnels, quartz mills, draining and irrigating ditches, canals, railroads and water works, in order to develop the immense natural resources of this State, and to give employment to the poor man; but can such a combination of capital be effected should the new Constitution be adopted? Your answer must be in the negative.

There can be no reasonable doubt that under such rule corporate life must cease, and the capital thus invested must seek employment elsewhere. No sane man would dare to invest his money in the stock or bonds of a corporation. There will be no more Powder Works, Beet Sugar Factories, Lime Works, Railroads, Steamers, Quartz Mills, Woolen Mills, Cheese Factories erected or run by a combination of capital.

MECHANICS AND LABORING MEN!

How will you be benefited when all this capital has been crushed? Will there be more work, higher wages and less hours of labor?

Will it make a better market for your wheat, your hay or your animals?

FARMERS! AND BUSINESS MEN!

Will it make money or customers more plenty?

There can be but one answer to these questions, and that must be NO!

The arguments of the agitators may present this new Constitution in an attractive light; but do not be misled. It is a delusion, and an imposition upon the rights of ALL men. It will bring you no security, either of person or property. It will protect neither labor or capital. It will bring no comforts to the fireside of the poor man, and put no bread into the mouths of his children.

It is the serpent, that when warmed will turn upon you its sting. Discard it! Do your duty as freemen! Strike the enemy a blow from which he will never recover! Assemble in every camp, village, town and city! Organize your forces, and on the 7th day of May march to the polls with the battle cry "STAND BY THE OLD CONSTITUTION!"

Agriculture.

Plow deep, while sluggards sleep,
And you shall have grain to sell and to keep.

HOW WE SAVED THE OLD FARM.

CHAPTER V.

The next morning, as soon as the chores were done, Clarence came and asked mother for a dollar that he might go to the saw-mill, about a mile below, and buy a load of slabs. We could get a load for that price as large as the horse and oxen could draw home, and many people bought them for fire-wood; but we never had been in the habit of doing so, and mother asked in some surprise what he wanted of them.

"If I had a few of them that I could pick out of the loads I could use them instead of boards for some work I want to do about the barn. I have nails enough, and I want to make the barn warmer. I can do it very easily, and the papers say that a warm barn is better for the stock, and saves hay and grain. Now, our old barn is very cold, and it will cost but little to make it much warmer. There are cracks back of the cows where I can almost run my finger through. What slabs are not fit to use for that will do for kindling-wood, and I have a number of other jobs that I want to do with the best of them."

"Couldn't you do with a few that you could get for less money?"

"It will take just as long to go after a few, and about as long to pick out such as I want, as it would to get a full load, and they might not like to sell them and have me pick them out. Deacon Smith buys them for fire-wood, and sells what he cuts in his woods. You know he would not do that unless it was cheapest to do so."

"Well, I will let you have the dollar, but you must think that the dollars are scarce, and it depends upon you to get more for us."

So he and Ned started for the mill, and before noon were back with a fine load of slabs, which were thrown off and sorted in two piles, one pile suited for the contemplated work, and the other as fit only for fire-wood. Much to my surprise, the first pile was very large and the other very small, but Ned explained by saying that they had picked out of a very large heap, and had the privilege of taking such as they wanted. Some of the slabs were four feet long and others as much as twelve. Ned said the short ones were box-board slabs and the others came off long boards.

After dinner, it being warm and pleasant, a sort of February thaw, I was allowed to go out and help at the first job, which consisted in nailing the four foot-slabs against the side of the barn; the lower end against the barn sill, and the upper end against the joist, which was about three feet from the floor. This left a space about three inches wide between the slabs and the outside of the barn, which Ned and I stuffed full of the poor meadow hay. Although the space was so small yet it seemed to hold a large amount of hay, but after it was put in, and the last slab was put on, it seemed as if it were impossible for any wind to enter there, let it blow never so hard. Above the joist Clarence nailed slabs over the largest cracks, so that it seemed as if the stables were much warmer than before. While we were at work, Jake Wood came along the road, and, attracted by the sound of the hammering, came into the barn. Seeing what we were at, he exclaimed, "And so the squire thought same as Jake did for once, and you have begun."

"Yes," said Clarence, "the squire thought best for us to try it, and I am trying to make these stables warmer."

"Well, I reckon it's a good idea, for I never like to see cattle in the barn shivering as if they were out on the lee side of a hay-stack. Always seemed as if they must be hungry if they were cold. I know I want a powerful sight to eat in cold weather, more than I do in summer."

"That is what the papers say; that cattle need more feed if kept in cold stables."

"Well, I never thought no great shakes of farming by the papers and books, but they might happen right once in a while; but they mostly talk as if a fellow had got to spend more than he makes or else he wouldn't make nothing."

"But it may be a fact that it pays best to put money into farming business if you have it to put in," says Clarence. "You know the big stores that have the most money spent in getting everything to sell that people call for, are generally the ones that make the most money. 'Money makes money,' Uncle Robert says, and if it does in other things why shouldn't it in farming?"

"I allow you are right, young man," says Jake, "but this here is going to make it awful dark in here, and you will have to leave a door or a window open to see to do your work, and that will make it colder than the cracks do."

"I have thought of that, Jake, and I wish I had some windows to put in here, but I don't know where to find them, and if I leave the window or door open when I am doing chores, I can shut it up when I get through, and have the barn warm at night, at any rate."

"There, now," said Jake, "I shouldn't wonder if I could tell you where to find windows enough. You know Bill Giles fixed up that old house of his last spring, and put in bigger windows and tore down the old porch and built a new one. I expect he has got all those windows stowed away somewhere, and they aint of no airthly use to him. I don't doubt but you could get them cheap enough."

"But I have no money to buy them with, and I don't want to ask mother for any, for she has but little, and I don't mean to spend more than I make, if I can help it."

"You don't need no money, I don't believe, for he hasn't got no team, and if you would plough for him a day or two next spring, you would have money coming in instead of going out, and the oxen would in that way sorter pay for the windows in their own house," and Jake chuckled at the idea of thus getting the best of the oxen and Bill Giles at the same time.

"Well, I will think about it, and maybe go and see Mr. Giles to-morrow. Now I must put up the cattle and do the chores," said Clarence, and Jake went his way, having first received an invitation to stop in again and see how we got along, and promised in response to "keep an eye on us and see that we went straight, for," said he, "I feel kinder responsible for you now, seein' as I advised this plan before Squire Grey did."

Next morning Clarence was off early, and quickly came back after the oxen and wagon, with which he went off toward Mr. Giles's house and soon back again with a lot of boards, old but mostly sound, and an old door or two, which I recognized as a part of the porch which had been torn down, and a large pile of windows on top of the load, and with Bill Giles following after the load.

Now, Mr. Giles was known to us by reputation as a good-natured, clever fellow, a good carpenter, but "as lazy as all day long," who had lately come into possession of the old house and a few acres of land by the death of an old aunt, and he had modernized the house at a considerable expense, which it was thought his means did not warrant, although he performed the labor himself. Mother was a little worried at first for fear Clarence had hired him to do the work of his contemplated improvements, but was soon relieved by seeing Mr. Giles go off down the road again, after a short stop at the barn. Clarence soon came in and told us: "I had first rate luck, I bought sixteen windows for thirty cents apiece, and all those boards and doors for two dollars more, and I am to pay for them by ploughing for Mr. Giles next spring, and he has loaned me some tools to do the work, and has showed me how to do it better than I could have found out by myself in a week."

"But what you want of the boards and doors, my son?" said my mother.

"Oh, I am going to fix up a larger hen-house, so Alice can have plenty to do this summer in raising chickens and taking care of them. You know the hens pay better than anything else, and I am going in for making the farm pay in some other way than by hard work."

And off he went to the barn again, where I soon followed him, to find that he and Ned were cutting holes through the side of the barn, with the aid of the tools that were loaned by Mr. Giles. Before night they had cut a place for one half-window on the east side of the cow-stable; two more on the east side of the threshing floor, and two on the south end of the barn, back of the cattle, and another back of the horse, and one on the door of the horse-stall, which, as you may remember, I told you was in the south-west corner of the barn. And they were all fixed so as to slide back when it was desired to open them, or to shut closely when it was cold. Thanks to the marking of Mr. Giles they were put in in a very workmanlike manner, and in their proper places. Before night Mr. Giles came back, and approved of what had been done; and then went with Clarence to the sand-hill back of the house, where they had a long talk, and Mr. Giles drove some little sticks down and seemed to be planning something which I thought might be the hen-house which I heard of that morning for the first time. There was a place here where it was said gravel was taken out to build the dam for the old grist-mill which used to stand in the lower edge of what Clarence called "Field No. 3." The mill has been gone many years, but a part of the old dam stood there yet. In the pasture is what is called the gravel hole, open to south and west, where they dug into the south side of the hill after gravel; and here I thought Clarence had planned for his hen-house, and I did not like the idea of having to take care of the hens and chickens if it was to be so far from the house. When he came in I asked him about it, and he said my guess was right. When I expostulated, he said: "You see it is to be more of a summer hen-house than anything else. This one will do very well for winter, when I have put one or two more windows in it, but that will be a warm place, with lots of good gravel and sand for them, and if we should keep so many hens next winter that we should need to use it, Ned and I can take care of them then. In summer you will find it only a pleasant walk up there."

The next day the boys were busy digging into the side of the old sand-bank and putting in posts for the new hen-house, and mother found me employment in the house, and although at night both had blistered hands and were willing to go to bed early, I could not see that their enthusiasm had flagged at all, while I rather thought Ned looked up to Clarence with a respect which he had not been wont to feel for his elder brother, and upon the second day they were as eager to get off to their work as if it had been only play. Before noon I saw Bill Giles going up there, and, to my surprise, he stayed at work until nearly night. When he passed the house, going toward home, my mother felt it necessary to go out and tell him that she could not afford to pay carpenter's wages for the work up there, and she was afraid Clarence could not work for him long enough to pay him that way, if he was intending to take care of the farm at home; but he quickly silenced her by saying, laughingly, that he had not anything else to do, and he reckoned it was just as well for him to be there as down at the tavern.

"Besides that, ma'am, it is as good fun as any play I ever done to work with those little chaps, they are so earnest about it all, as if their fortunes depended upon it."

And we could hear his hearty laugh ringing after he had passed the barn. By this time it had attained quite a resemblance to a building, as seen from the house, and Ned was very anxious for mother and I to go and look at it, but we did not, for the wind blew cold and the following day was the Sabbath, and we intended to go to church. We did, however, go to the barn that mother might see how much more pleasant it looked there with the windows in it, and the cracks carefully stopped. So ended the week which had begun so sadly for us. Already through the heavy clouds light seemed to be breaking. Even in our great affliction we could rejoice that there was one greater depth of misery—the misery of having to leave our loved home—which we were not to be called upon then to fathom. And although we were entering upon what seemed like a doubtful experiment, yet the calm self-confidence of my elder brother gave us courage to indulge ourselves in hoping for the best.

[TO BE CONTINUED.]

DAIRY BREEDING CALENDAR

We invite Dairymen who desire a valuable "Dairy Breeding Calendar," containing very valuable items of great value to them, to call and examine the article named above—it is of but little expense, yet of great value.

CALIFORNIA FARMER OFFICE.

DEPENDING ON THE INTELLIGENT MASSES.

The bright and intelligent among the people of this State are undoubtedly, in these respects, the peers of any others on the face of the globe; but recent events have raised a doubt whether they are as numerous here, in proportion to population, as in many of the other States. Throughout New England and the Middle States the American element is largely in the ascendant, and in times of need and exigency may be depended upon to do the right thing. In California the balance of voting power is pretty evenly divided between Americans to the manor born and people of foreign birth; but the latter generally manage to keep control of public affairs by reason of the culpable indifference and neglect of the American element. Deprived of suffrage in their own land, our naturalized citizens rightfully regard the vote as the greatest privilege that can be conferred upon them, and they never fail to exercise it on all available occasions. Just now the community is in the midst of a crisis, upon the result of which will depend its welfare for many years to come. Arraigned on one side is the American element and the intelligent portion of foreigners, and on the other a heterogeneous mass of alien birth, hundreds of whom can neither read nor write, and not a few who do not even know what to do with a pen when it is placed in their hands to make their mark. Within the past two weeks, crowds of that class have thronged the Registry office, and will vote doggedly for the new Constitution. Not a ballot will be lost, not a man be absent from the polls on the 7th of May next. The "Speed, Malise, speed," of the clans has been heard in every precinct of the State, arousing their catheran hordes, and bidding them to the fray. *Per contra*, not a little zeal and determination have been manifested by the enemies of the new Constitution. The merchants and guilds, the tax-payers and people of property, the lovers of law and order, and the members of the several learned professions, have held enthusiastic meeting, disseminated thousands upon thousands of circulars, gained the support of the respectable press, and taken unusual pains to carry their point and rouse the State. But they have also depended too much upon what they have been pleased to term "the intelligent masses." Nearly twenty-nine years' residence in California, and a pretty close canvass of the ingredients which compose its population, have not served to imbue us with a very favorable opinion of the intelligence possessed by the masses, and we are afraid that it will be like putting faith in a will o' the wisp. Hundreds of them would vote rightly if properly instructed and made to comprehend the manifold villanies embodied in the new Constitution; and the serious cause for alarm is the doubt whether all of those who for years have neglected the right of franchise, and have been registered for the coming contest, will stand by the flag in the hour of strife, and step to the front manfully to the full discharge of their duty.

[We gladly give the above excellent article from our neighbor of the *Market Review* upon the influence of the masses in the coming election—we ask those who may be yet undecided, to carefully read this article, and then vote for safety.—ED. F.[

CULTIVATING THE SOIL.

The surface of the soil cannot be too frequently stirred. "If I had to preach a sermon on horticulture," says Downing, "I should take this for my text, 'Stir the Soil.'" As soon as the plants are well above the ground, they should be thinned out, so as not to interfere with each other's growth. At the same time, the soil may be loosened a little about them, so as to break any crusts that may have formed, without injury to the young plants; and the weeds may be removed. A little later, stir the soil with a narrow hoe, taking care not to cover the young plants. Every weed should be cut down or pulled up, no matter how small. It is not enough to keep the weeds down; digging deeply among the plants admits the atmosphere, and actually manures the young plants. In dry weather, it is very essential that the soil be stirred often. The air waters the fresh-dug soil much more effectively than we can do. A man will raise more moisture with a spade and a hoe in a day, than he can pour on the earth out of a watering pot in a week. If the ground be suffered to become close and compact, the cool surface exposed to the air for the reception of moisture is smaller, and what is deposited does not enter into the earth far enough to be appropriated; but if the soil be loose and porous, the air enters more deeply, and deposits its moisture beneath the surface. Almost any soil in which a seed will germinate, may be made, by continued hoeing, to produce a crop. Above all, cut away every weed that appears. "One year's seeding makes seven years' weeding." The only use of weeds is to make a necessity of tilling the ground more frequently. Weeds will come up in spite of our care, but much can be done to prevent their spreading or maturing.

A Gigantic Vegetable.

At a recent meeting of the Linnean Society, Dr. Masters read an extract from a letter received that morning, describing what is believed to be the largest plant in existence. A botanical traveler in Sumatra has found, growing near the Rafflesia, a plant belonging to the family of the Arums. The bulb or corm growing on the surface measured 5 feet in circumference. Two men endeavored to raise it; it is said they nearly broke their backs in doing it, and the root itself broke while they were lifting it. From this corm sprang a single leaf stalk, 20 feet high. At the top it divided into three branches, each as thick as a man's thigh. The leaf is divided into an immense number of segments, and measures 15 metres in circumference, or 45 feet, covering, therefore, an area of 150 square feet. The plant had done flowering when it was discovered, so that the dimensions of the spathe are as yet unknown. But seeds were obtained, which are now growing at Florence.

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Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March.

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory-filled salt; therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $13; for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams; and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"

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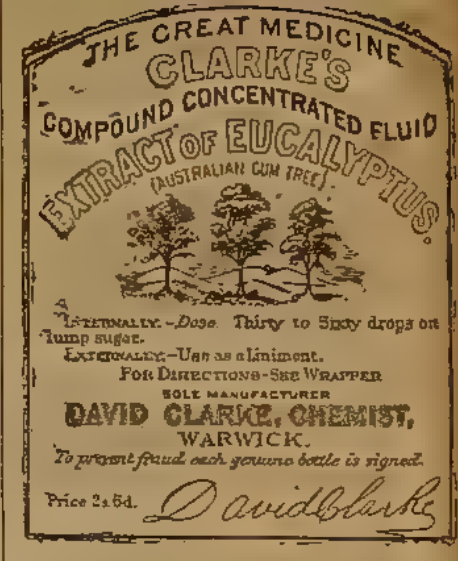

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49:2

Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

Home Correspondence.

Yolo, Yolo Co. Cal., April 22, 1879.

Col. WARREN—*Dear Sir:*

Yours of 18th inst. at hand and contents noted.

Crop prospects in this section were never more favorable than at the present time. The yield of wheat and barley will be as great, if not greater in this county than ever before—a great many of our farmers are this spring planting more or less of Egyptian Corn, on spring plowed land instead of leaving it for summer fallow—the experiments of last season in this section proved that a crop of this corn can be taken from the land with but little additional expense and then get as good crops of wheat or barley as if it had not been planted in corn—as it will mature on our dry plains and bald hills, and is fine feed for all kinds of stock as well as for the human family, some of us think it quite an acquisition to our products as we are able to get two crops every two years instead of only one, as heretofore has been the case with summer fallow.

My almonds, of which I wrote you before, and on the cultivation of which you so kindly devoted so much valuable time in writing for me some weeks ago, are growing finely, and I shall follow your plan of cultivation as nearly as may be possible—I have already plowed twice, deep, and have the soil in fine order, every tree has been well mulched with fine short well rotted stable manure—my reason for planting the hard shell bitter nut was because I understood it to be hardier and of more thrifty growth than the soft shell varieties.

I shall bud or graft all that are alive next spring they are all doing so much better than I expected that I have no fears now of the result of the experiment, notwithstanding the predictions of my neighbors that I would make a failure.

The land on which I planted the almonds is in the barren or bald hills between the bottom lands of Cache Creek and the timbered mountains of the Coast range.

On these bald hills are not to be seen a vestige of timber of any kind—the soil I am experimenting on might be called a gravelly loam, the nuts were planted in August the ground having been prepared the preceding spring, nearly every nut sprouted and sent up a thrifty growth soon after our February rain fell and now the trees are from 6 to 15 inches in height and show every indication of continuing rapid growth through the whole growing season.

We are selling a good many of the Randall Harrows, though the season is now about over, they are used now for *cross plowing, summer fallowing* and *cultivating orchards* and *vineyards*, for which purposes they are truly an excellent implement.

We shall have new cuts for new Advertisement. The 6 ft. 10 inch disc, 2 Horse Harrow is the smallest size we have, and is the size used in cultivating orchards and vineyards.

We have adopted the *cash* rule and buy and sell only on a *cash* basis.

On the Constitutional question I *fear* our precinct will vote in favor of its adoption, though we *hope* the county will reject it.

I have a small garden and would thankfully accept the proffered seeds.

I have planted in my garden twenty-seven varieties of wheat and two of barley—I planted 100 grains of each variety, fifty grains in a row six inches apart and rows twelve inches apart, all but two varieties of spring wheat were planted in the dust in December, have hoed, raked and rolled it, and it stands as thick on the ground as if sowed 90 pounds per acre, have counted over 60 stalks from a single grain, I expect to try my hand at hybridizing when the proper season arrives.

I hope I have not tired you with the personal affairs of a total stranger—but for fear of doing so I will stop. Very respectfully, yours truly,

CLAUDE V. BURKE.

New Zealand Flax.

(Phormium Tenax.)

This wonderful Plant is worthy more and better attention than it has ever received at the hands of our people.

Had this plant been received as it deserves an *hundred thousand* acres of our supposed reclaimed land would have been saved from floods, it is the best guard for embankments, it can also be utilized for paper making, cordage and basket making, and made a source of income as well as a protection to all swamp lands.

Two large plants in the Post Office grounds in our City show the character and growth of this valuable plant, it is ornamental as well as useful

The seed can be had at THE CALIFORNIA FARMER Office.

Premium Seeds.

Seeds from Rural New-Yorker Office.—We have been favored with sample parcels of the Seeds sent out to all subscribers to this Journal, and which are choice.

Our readers will bear in mind that we *club* the FARMER and the *Rural New-Yorker* now, and send them for ($6) six dollars with the Seed Premiums from each Office—a rare chance.

Florida has produced 500,000 barrels more oranges this season, by natural increase and not by superior yield, than she did last season.

PERFUME OF THE ROSE.

The Rose gives the sweetest, the most lovely and loved perfume. As the Rose is the Queen of Flowers so is its fragrance the Queen of Perfumes. Dr. Piesse, whose thorough knowledge of the subject well qualifies him for the task, has recently published in *The Garden*, of London, an article showing the way in which the perfume is extracted from the Rose, and preserved in the form of *Otto of Roses* and other costly Rose perfumes. This is reliable, and therefore valuable, especially as it corrects many foolish and incorrect statements on this subject. It is also particularly interesting at this time, treating, as it does, of the Rose fields of Roumelia, so recently desolated by fire and sword.

Its breath
Is rich beyond the rest, and when it dies
It doth bequeath a charm to sweeten death.

There are two methods of obtaining scent from the Rose, both operations being carried to a considerable extent. In Roumelia the flowers are distilled for the purpose of obtaining the Attar or Otto of Roses. In the south of France the *enfleurage* process is adopted, which yields a spirituous scent of the Rose. The principal Rose farms on which the distilling process is adopted are situated in valley of Kezanlik, in Roumelia, at the foot of the Balkan Mountains; the principal town, Kezanlik, bears the same name as the province, and can now easily be picked out in the war maps of the day. The province of Kezanlik extends for about forty miles east to west, and is watered principally by the River Thunga. It contains many small villages, the peasants of which are employed in the culture of the Rose. The only Rose cultivated for its scent, both in Roumelia and in France, is the Provence or Cabbage Rose. It can be planted either in spring or in autumn. On Messrs. Collas & Christoff's farm, where Roses are grown, parallel furrows are cut at distances or five feet apart, four inches deep, and the same in width; into these furrows shoots from the old Rose bushes are laid, not cut, but so broken off as to have a portion of the old root attached to them; these are then covered up with earth and a little manure; if water be near, the furrows are unirrigated, otherwise the grower trusts to what may fall in the shape of rain. In six months young shoots appear which are then earthed up. During the first year they make about four feet of wood; the second year a few flowers are produced; but a crop is only secured in the third year; the plants then begin to have the aspect of thickets, which soon become perfect hedges six feet high; and which will bloom well for fifteen years. During this period dead wood is cut out, but the bushes are not pruned in the ordinary sense of the word. The Balkan Mountains keep off in a great measure north and west winds; nevertheless, in spring the Roses often sustain great injury from these and frost.

As a rule, the Rose harvest begins in the middle of May, and consequently this is the time for distilling, an operation which lasts for, say twenty-five days. Supposing a plantation to produce in one season 50,000 lbs. of flowers, there must be garnered and distilled 2,000 lbs. each day. The flowers are gathered before sunrise, and are distilled by noon of the same day. As seasons differ, so do the crops and the quantity of Otto produced. The amount of Otto is greatest when the temperature at the time of distilling is low, and *vice versa*. When the weather is warm there is an abundance of bloom, but the yield of Otto is less; favorable weather is, therefore, better than large crops of blossom. The still is a copper vessel or boiler, known as the alembic, broad at the base, and becoming narrower towards the top, on which is fitted the dome or neck to which is attached the condensing pipe. Water and Roses are put into the alembic, then a fire is lighted under it, and when the water boils the steam generated carries forward the Attar from the Roses into the refrigerator; the Otto floats on the condensed water, and is thus collected. On an average it requires 3,000 lbs. of blossom to produce 1 lb. of Otto—say 16 oz., Otto of Roses always being sold by the ounce, which in Turkey is somewhat more than the English ounce.

Baring, in his reports of Roumelia, recently published by order of the Government, says:—"One of the chief manufactures is that of Attar of Roses, the average annual amount produced being 300,000 'Mescals' of 1¼ dram each, at about 16 piculs the mescal, and the whole is exported to England, &c."

SPLENDID

WEEPING TREES.

It may not be known generally that by the aid of science, all the finest kinds of our DECIDUOUS TREES, used for Ornamenting Grounds can now be had grown in the beautiful pendant form, graceful as the Weeping Willow.

The following, of very extra size and form, can now be had for planting this Autumn.

The WEEPING BEECH, MAPLE, BIRCH, ASH, ELM, POPLAR and LINDEN these are the most beautiful Ornamental Trees known, adding grace and beauty to the surroundings of every home and increasing the value of every estate where they are planted.

The plates and drawing, showing these trees in their growing condition, can be seen and these trees secured on applying to

Warren & Co.,
320 CLAY STREET, S. F.

NURSERYMEN AND FLORISTS ABROAD

Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurserymen, especially, who have NEW and RARE kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our JOURNAL circulates there to a large extent.

This is the season when Nurserymen should make known what they have for sale.

Warren & Co.,
PROPRIETORS CALIFORNIA FARMER.

SANTA CLARA VALLEY

Nurseries,

ESTABLISHED 1853.

Trees--Plants--Shrubs.

I OFFER FOR SALE THIS SEASON A LARGE AND well assorted stock of Fruit Trees, Shade Trees, Evergreens, and Shrubs; also, Palms, Camellias, Azaleas, Japan Persimmons, Roses and Greenhouse Plants in great variety.

PEAR SEEDLINGS, fine.	... $15.00	per 1000
ROSES, in variety, fine.. .	... 15.00	per 100
JAPAN PERSIMMON, 5 varieties	25.00	" "
MAGNOLIA, grandiflora, 6x10 in.	18.00	" "
LAURISTINUS, 6x10 in.....	10.00	" "
CHINESE MAGNOLIAS, 2 ft. .	8.00	per doz.

Special inducements to large purchasers.

☞Catalogues free on application.☜

BERNARD S. FOX, Proprietor,
San Jose, Cal.

Thomas Meherin, Agent,
516 Battery Street,
SAN FRANCISCO.

49:21 3m

BOOKS FOR FARMERS!

BOOKS FOR FARMERS' LIBRARIES

AGRICULTURE,
HORTICULTURE,
FLORICULTURE,
STOCK RAISING,
BEE RAISING,
POULTRY GROWING.

With many valuable and interesting works on all branches of each of these Important Industries.

For sale at lowest rates at
FARMER OFFICE,
320 CLAY STREET.

THE DINGEE & CONARD CO'S
BEAUTIFUL EVER-BLOOMING
ROSES

We deliver STRONG POT ROSES for Winter Bloom and Fall Planting, *safely by mail*, at all post-offices. Five Splendid Varieties, *your choice*, all labeled, for $1; 12 for $2; 19 for $3; 26 for $4; 33 for $5; 75 for $10; 100 for $13. Send for our **New Guide to Rose Culture**, and choose from over **500 Finest Sorts**. Our Great Specialty is growing and distributing Roses. **THE DINGEE & CONARD CO.**, Rose-Growers, WEST GROVE, CHESTER Co., PA.

48:18 62

Choice Grape Cuttings.

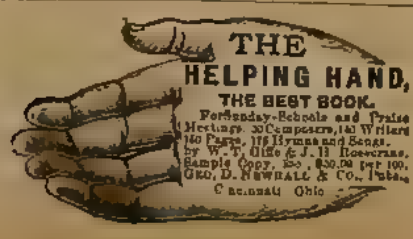
Those who desire to have the choicest quality of the famed

"WHITE CORINTH GRAPE,"
—AND—
"THE ZANTE CURRANT,"

and a few other varieties of rare kinds of grapes—can secure a collection by sending their orders to the

FARMER OFFICE, 320 Clay Street.

N. B.—Only a small lot for sale.


THE
HELPING HAND,
THE BEST BOOK.
For Sunday-Schools and Praise Meetings. 30 Composers, 141 Writers 160 Pages, 198 Hymns and Songs. by W. F. Gill & J. H. Rosecrans. Sample Copy, Bds., $30.00 per 100. GEO. D. NEWHALL & Co., Pubs. Cincinnati Ohio

48:4

HEARING RESTORED. Particulars free. KIRBY & HARPER, Madison Ind.

My annual Catalogue of Vegetable and Flower Seed for 1879, rich in engravings, will be ready in January, and sent FREE, to all who apply. Customers of last season need not write for it. I offer one of the largest collections of vegetable seed ever sent out by any seed house in America, a large portion of which were grown on my six seed farms. *Printed directions for cultivation on each package.* All seed warranted *to be both fresh and true to name*; so far, that should it prove otherwise, *I will refill the order gratis.* The original introducer of the Hubbard Squash, Phinney's Melon, Marblehead Cabbages, Mexican Corn, and scores of other vegetables, I invite the patronage *of all who are anxious to have their seed directly from the grower, fresh, true, and of the very best strain.* **New Vegetables a specialty.**

48:21 12t JAMES J. H. GREGORY, Marblehead, Mass.

CHOICE
Vegetable and Flower SEEDS

GROWN FOR PRIVATE FAMILIES, OUR MOTTO!

"TEST IS BETTER THAN TALK."

GARDEN MANUAL, full of valuable articles on growing vegetables, useful hints to lovers of flowers, with price list, sent free to all applicants. Address

J. B. ROOT, SEED GROWER,
48:24 ROCKFORD, ILL.

PEARL MILLET
(THE NEW FODDER PLANT.)

Yields 100 tons green — 15 tons dry per acre.
60c. per pint (by mail, postpaid),
$1.00 " quart " "
By express, buyer to pay charges, $5 per peck
Statement of our experiments with it, and instructions for culture, free on application

PETER HENDERSON & CO.
35 CORTLANDT ST., NEW YORK.

49:2

JOHN SAUL'S
Catalogue of New, Rare and Beautiful Plants

Will be ready in February, with a colored plate. Many new and beautiful plants are offered, among Dracænas, Crotons, and other fine foliage plants, with a rich collection of Greenhouse and Hot-house plants; Bedding Plants; new and choice Roses; Dahlias, etc. Well grown and at low prices Free to all my customers, to others 10c. A plain copy free.

JOHN SAUL, Washington, D. C.
49:2 eot

Evergreens & Forest Trees.

AT RETAIL TO FARMERS AND PLANTER AT
WHOLESALE PRICES.

LARGE STOCK, GREATEST VARIETY, CHEAPEST AND BEST.

Send Stamp for Price List.
GEORGE PINNEY,
49:1 Sturgeon Bay, Wis.

VEGETABLE AND FLOWER SEEDS
SEEDS — WE SELL EVERYTHING FOR THE GARDEN — PLANTS
Descriptive Catalogues of 176 pages sent Free
PETER HENDERSON & CO.
35 Cortlandt St., New York.
FLOWER AND FRUIT PLANTS

49:2

FARMS, RANCHES
—AND—
LANDED ESTATES FOR SALE.

Now that we have so many settlers of the BETTER-CLASS coming to our State, those who have

Lands, Ranches, Farms,
—AND—
IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms and Libraries in the United States.

☞Advertisers will be wise that consult our columns.☜

WARREN & CO.,
CALIFORNIA FARMER OFFICE.

Newspapers for Packing

A LARGE lot of good country newspapers in good order for packing up goods, can be had at reasonable rates, in lots of *One to Five Thousand.*

For Sale at FARMER OFFICE,
320 Clay St., San Francisco.

Men make money faster at work for us than at anything else. Capital not required, we will start you. $12 per day at home made by the industrious. Men, women, boys and girls wanted everywhere to work for us. Now is the time. Costly outfit and terms free. Address, TRUE & Co., Augusta, Maine. 47:52

25 STYLES OF CARDS, with name in gold, 10 cts. J. B HUSTED, Nassau, N. Y. 47:14 1y

PULLMAN HOTEL DINING CARS

THESE CELEBRATED HOTEL CARS ARE NOW RUN OVER THE

Chicago and Northwestern Railroad

BETWEEN

COUNCIL BLUFFS AND CHICAGO

No other road now runs or has ever run

Pullman Hotel Cars,

PULLMAN DINING CARS,

Or any other form of hotel, dining or restaurant

WHATEVER

BETWEEN OMAHA AND CHICAGO.

Do not be deceived by the false representations of the agents of other lines who tell you they have hotel cars on their lines west of Chicago. It is not true. No road west of Chicago has them except

THE CHICAGO AND NORTHWESTERN.

PASSENGERS for Chicago, Niagara Falls, Pittsburg Philadelphia, Montreal, Quebec, New York Boston, or at any point East,

Should Buy their Trans-continental Tickets

—BY THIS—

Pullman Hotel Car Line.

Close connections are made at Chicago with the Lake Shore & Michigan Southern, Michigan Central, Baltimore Ohio, Pittsburg, Ft. Wayne & Chicago, Rankakee Line and Pan-Handles routes, for all points EAST and SOUTH EAST.

This road can give you CHOICE of ALL ROUTES from Chicago to the East. It allows its patrons to select the route they may think best. Determine the route you would like to travel over beyond Chicago, and we will be glad to sell you THROUGH TICKETS by it.

☞Passengers will find Tickets via this Favorite Route at the ticket office of the Central Pacific Railroad, Sacramento.

☞Tickets for sale in all the ticket offices of the Central Pacific Railroad.

W. H. STENNETT.....General Passenger Agent
MARVIN HUGHITT.....General Manager

H. P. STANWOOD, General Agent,
No. 2 New Montgomery Street, San Francisco.
47:11

MOUNTAIN PLANTS.

Strawberry Plants.

"Monarch of the West," "Star of the West," "Seth Boyden," "President Wilder," "Great American," "Crescent Seedling," "Duchess," "Prouty's Seedling," "Duncan," "Kerr's Prolific," "Miners' Great Prolific," "Continental," "Cinderella" "Cumberland Triumph," "President Lincoln," and all the best and most promising varieties of STRAWBERRIES.

Mountain grown plants—"Silva's Koning Claudie," the earliest and best early Blue Plum.

We offer for sale a large and fine stock of the above.

Send for Descriptive Circular to

C. M. SILVA & SON,
Newcastle, Placer County, Cal.

49:3

SPLENDID
FLOWERS
OVER 1200 Distinct Varieties.

All Strong Plants, each labeled and delivered safely by mail. *Largest assortment. Low prices.* We have been in business 24 years, and answer *satisfaction.* Our stock of
ROSES
comprises all desirable varieties and contains none but mature plants. We will *guarantee* a choice of 6 for $1, or 13 for $2. Our new *Illustrated Hand Book*, sent Free, contains name and description of each plant, with instructions how to cultivate successfully. HOOPES BRO & THOMAS, Cherry Hill Nurseries, West Chester, Pa.

47 22

RHUBARB WINE.

A CHOICE NEW ARTICLE.

A DELICIOUS HEALTHFUL WINE.

Manufactured at Omaha, Nebraska, from the VEGETABLE RHUBARB, making a very delicious, palatable, and healthful light wine, differing from any other wine ever yet manufactured, and giving good promise of becoming a very popular wine.

For sale at the CALIFORNIA FARMER Office by

WARREN & CO.

TO INVENTORS AND MECHANICS.

Patents and how to obtain them. Pamphlet of 60 pages free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 31,
48:19 tf *Washington, D. C.*

Good Cure for Hard Times

A PLANTATION OF EARLY PROLIFIC and RELIANCE RASPBERRIES.

100,000 Plants for sale; also 200,000 Cinderella and Continental Strawberry Plants. Millions of other Plants, Trees, etc. Everything new, novel, and rare. Prices low. Send for Descriptive Circular to GIBSON & BENNETT, Nurserymen and Fruit Growers, Woodbury, N. J.
48:24

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the *information of their Wants.*

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, MAY 1, 1879.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Market Building—Up Stairs.

FARMERS HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms. Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for one insertion, fifteen cents a line for any larger space. Each subsequent insertion ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,

PUBLISHERS CALIFORNIA FARMER.

San Francisco, Cal.

Editor's Chair.

Our Extra Edition.

We send copies of our large Edition out this week to many who are not yet on our "Subscription List," we send to them this number in defence of the old Constitution, believing it to be better than the new, our views are fully expressed in our Columns, and these views we believe are sound, and offered for the Cause we have plead for over Twenty-Five Years.

We plead for the farmers of California and their best interests, and so laboring we work to sustain the old Constitution, firmly convinced that the *new Constitution* would entail upon our farmers many and untold evils and losses that years to come would not repair.

Laboring thus for the interest of the *Cultivators of the soil*, and our "mechanics" "manufacturers" and the real "workingman," we hope that many who receive these copies of the Farmer will carefully read what we have said, and will kindly co-operate with us and also generously enroll their names on our list, as subscribers to our Journal.

We believe the friends of the old Constitution will approve this number of our Farmer.

Old and New Constitution.

We invite the attention of all our farmers especially, and all who may read this number of our Journal, to the various arguments we have presented; these are our own unbiased opinions offered earnestly and as a free will offering, hoping and believing they will convince the wavering, encourage the doubting, and help all to come up to the work, and defeat the new Constitution and save the old.

We hope those who thus desire, will send our Journal far and wide and work with us in this Cause.

Home.—We give a selection of Poems this week each of which are valuable Essays upon *life* and its duties.

"A Trip to Europe."—A very pleasing letter from our Correspondent Ajax, whose letters are always welcome.

"Pres. Wilder of Boston."—We are always glad to give our readers the eloquent heart breathings and teachings of the venerable President Wilder—few men are now living who have done so much for their Country as this noble man.

We hope *our State* will found a Society like the one over which Mr. Wilder presides.

Horticulture.—We give an excellent practical letter from our esteemed friend of Yolo, whose valuable machines are working great good to our State by a better cultivation.

"Perfume of the Rose."—Yes! this is the day and month to enjoy the rich perfume of the rose, and when the heat and turmoil of this election is over, flowers will wear a brighter hue and the world look brighter too.

Miscellany.—We give on this page "Texan Cattle Drive" and articles upon horses' feet that should be noted—items also.

Agriculture.—"How we saved the Old Farm" is continued, our readers, especially the sons and daughters upon our farms, should read this very interesting chapter—and the lessons learned would do them good, those who desire can obtain copies of former chapters.

"The Intelligent Masses."—We ask a careful reading of this article we clip from our excellent cotemporary named.

"Cultivating the Soil."—We urge our farmers to this all important duty, life, health and strength to all kinds of crops is ensured by a constant stirring the soil in dry weather, read the letter from Yolo Co. on same theme on page 59.

Read! Read!! the voices from the country upon the Constitution.

New Advertisements.—We specially call attention to the excellent Implements for the *Harvest Season*, in our Columns.

THE SEASON OF MAY.

The opening season of May is with us, and every lover of Spring must feel its vivifying and cheering effects, and were it not for the *Blight* that now rests upon our whole State by reason of the political tornado that is now sweeping over us, our whole community would be enjoying the fresh air and bright flowers of our hills and vallies; merchants, manufacturers and mechanics would take their families and go forth, enjoy Nature in her May Day robes and bless God for Spring, and hear the shouts that come up from the happy children as they sing

"I'm to be "Queen of May," mother,
I'm to be Queen of the May."

Alas! these happy enjoyments are almost universally shut out of mind now by that fearful avalanche of politics that a dire necessity has placed upon our people; we hope however that in a few days when the "Great Battle" is over, the fields will seem green again, the flowers appear bright once more, and their fragrance be recognized and enjoyed.

Home Correspondence.

VOICE FROM SACRAMENTO COUNTY.

Sacramento Co., Cal., April 28th, 1879.

Col. Warren—*Dear Sir:*

Your good letter at hand to-day, and we hasten to send you some good names, and will send you more to-morrow. Nearly all we send are good farmers' names.

We are speaking, writing and working against the new Constitution and have been doing so for weeks, and expect to continue till sundown on 7th of May. Your paper is always good and welcome; and we always scatter the extras among the farmers.

Farmers do not understand their own true interests, if they did, they would all subscribe for your paper and would also, all vote against the new patchwork Constitution.

The feeling here is changing and the solid work is being felt, and Sacramento City and County will speak sensibly on 7th May and give more than a thousand majority against the new novel.

God bless you with health, strength and prosperity, ever faithfully your sincere friend.

* * * *

THE COUNTRY SPEAKS.

[The following patrotic letter came to us, and we cannot forego the pleasure of publishing it—we feel its power. Hear what the great San Joaquin Co. says.—Ed. F.]

Col. Warren—*Dear Sir*

Your kind letter was received yesterday evening. You guessed right! You know where to find me, same as in former times fighting against the enemies of our common country then, and our glorious State now. Yes Col. I I should regard it as a great calamity, if after successfully sailing for over 30 years, under the "old Constitution," we should be forced now, by the rabble of propertyless paupers, and mendicants of the old world, to abandon it for an abortion, such as the wisest among our respectable Americans, pronounce the new, "come by" "chance," to be.

Col. if it were left for some people to decide, I am sorry to say it would be adopted! But, thank Providence, there are sensible men enough still left in the State, outside of any one county, to beat the rabble and scum of the old world, who are howling for its adoption. If I only had the power, I would change our naturalization laws! They who come here, should have the same rights as the native born only, after having resided here 21 years, and I would make an *educational qualification clause also*, and still further; I would require the voter, who would vote to tax my property with any improvement for the public, to own property himself, liable to the same tax, if not, then he should stand aside. Our country is too free, and when the Governor of our own State, is to be insulted in public, it is high time that the old native American party, (purified by fire first, however;) should be resurrected, and its principles carried out to the very letter! It is fast coming to it, we are drifting, and you know the American people are slow to move, it takes time to arouse them to a sense of the position into which they will one day find themselves if they still continue to sleep on. But when they do awake and become thoroughly sensible of their danger, we know nothing will stand in their way, then they will sweep their enemies into oblivion as thoroughly as doth the avalanche and the whirlwind. And I am afraid it will not be met, until it comes to this, you and I certainly must know, and the fact cannot long be disguised, we are sleeping as a nation, upon a volcano, which sooner or later will burst out, and whenever that day comes, freedom's torch will again be lighted and American liberty will rise and shine brighter than ever in the hearts of those who love patriotism and take delight in seeing, as I know you and I do, our free, happy and proud America, washed clean from the scum and filth of the political cesspools of the foreign born and the alien. I do not object to decent intelligent law abiding and law loving foreigners coming amongst us! I welcome them! But the class who now come, and want to control our elections, to make laws to govern us, I detest and abhor! I did not mean to trouble you with so long a letter, but you know its impossible to say much in a few words, upon so important a subject.

Hoping you will live long Col. and help fight in the future, as you have in the past, any wrong that may lift its hydra head in any shape against the welfare of the American people—Accept my best wishes I remain very truly yours,

C. M. L.

Popular Family Flour.

Among the many favorite brands of family flour there is none that stands higher than the flour from the "Sperry Mills," at Stockton.

This flour is made by a *new process*, which gives to the flour a finer, more delicate, purer and whiter finish, and when made into bread it cannot be surpassed for whiteness or lightness, in fact we have tested its excellent qualities, and can say there is no flour superior to the flour from the City Mills, Stockton.

WE'LL SCOTCH THEM.

OUR EAGLE BIRD.

ETERNAL VIGILANCE IS THE PRICE OF LIBERTY.

The American Eagle, emblem of our Country and her Liberties now sits perched above us, watching with a jealous eyes the dangers that oftentimes menace us from a foreign foe.

Our Birthright, the dearest to an American, his elective franchise, is constantly in danger from the hordes of ignorant and vicious men who are in our midst, men who own no property, pay no taxes, and yet, whose votes count equal to the best of our citizens, who pays thousands of dollars annually in taxes.

The "Right of Ballot" should be held sacred by every lover of liberty, and it should be guarded by every American citizen with *eternal vigilance* for upon the Ballots of Free Men, depends "Life" "Liberty" and "Estate," and all that is dear and worth living for.

The most alarming sign of the times is the neglect of our citizens to use their elective right faithfully, and work to secure good and true men for all offices of honor and trust; it is this *neglect* of a free man's duty that has brought all our Country in danger of being ruled by those who are opposed to the great principles of American Liberty, and who are now doing all they can to infuse into our Government the spirit of *Communism* and its thousand evils, which tend to the destruction of our liberties.

The friends of a good Government, of civil and religious liberties can see how much danger exists whenever elections take place; the very appearance of those who are seen at the polls show the danger—these gatherings of the balloters are mere *partizans* working for party, not for our Country or a good Government, or any regard to Liberty and the true interests of our Country; vast numbers of these workers at the polls can neither read or write; and here lies the great danger of our Country, the ignorant, uneducated masses that rush to the ballot box are as much the *dangerous* element to our *liberties* as the incendiary, who, with fire-brand in hand endangers our dwelling; we are not safe even in our boasted "Land of Liberty" until our State has engrafted upon its Constitution, the safeguard of an intelligent ballot, which declares that no man shall vote that cannot read and write.

This is the only Policy of Insurance for our Liberties, and it is as important to the salvation of our Country that we be thus insured from *foes without* and *foes within*, as that we take out a Policy of Insurance to save our Homes, our Warehouses, and Manufactures from the desolation of fire.

The present important Contest now before the people of our State upon their Ballot for a new Constitution is one of the most important ever offered to our people, and it demands at this time from every man who has the "Right of Ballot" that he should be ready to work for the right.

Robbing the Orphans and Homeless.

One of the great wrongs the *new Constitution* would inflict upon the community is, that it shuts up the great heart of charity and humanity by cutting off all support to our *Orphan Asylums*, our *Aid Societies* and *all* our *Charitable Institutions*.

Charity is a God-like attribute, and it has always been the boast of the citizens of our "Golden State" that California from the advent of the "Sanitarian Commission" to the present time, has ever been ready to aid with a liberal hand every call or claim of the unfortunate abroad or at home; our great liberality to the suffering South in her recent hour of need, the "Yellow Fever Plague" bore evidence of this.

Every Orphan Asylum of every creed, every Widows' Society and Children's Aid Societies have always had a helping hand, but now, the *new Constitution* if it were adopted would *strike out* this *golden link* of charity, and cast orphans, widows, and homeless children upon a cold world for what aid they could crave and beg.

The voice of humanity cries aloud for these that we should save them from suffering, and to do this we must reject the *new Constitution* by the emphatic vote—NO!

☞SEND THE FARMER ABROAD.☜

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, to send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a Journal as the California Farmer. We know our Journal is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the home circle everywhere, as a Journal free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, special premiums of seeds are donated with the paper, to benefit our State.

"Agriculture, the soul, the basis of my empire."—*Napoleon.*

The Legal Ticket to be Voted on the 7th of May—

"Against the New Constitution."

BLIGHT UPON OUR FARMERS.

Every year our farmers have been more or less the sufferers from some blight upon their grain or other crops, and their orchards and vineyards have suffered by some *insectiverous pest*.

THE BLIGHT OF 1879.

At the present time we think we see a new blight that now threatens them unless prompt measures are adopted to remove the threatened blight, and crush the *eggs* of the insidious insect before they can come into life.

The *blight* that now threatens all the interests of our *farmers* and we can add all the *industrial interests* of our State, comes from the attempt of interested parties to force upon the people of our State a

NEW CONSTITUTION.

The advocates of the *new Constitution* cannot show to our people that it is superior to the old Constitution, even with some few things which the incoming Legislature could add to the old, while the new Constitution contains many sections which would work great and lasting injury to our farmers, and to all the best interests of our State, in another column of this paper we have shown how the new Constitution *doubly taxes* the farmer for his lands, we have also shown how it deprives all the great *Industrial Societies*, our State, and District Agricultural Societies of all aid and encouragement, which all other States accord to such Institutions, we have also shown that all benevolent and charitable Institutions are shut out from that parental aid and fostering care which it should be the duty and glory of our State to give, these are the reasons why we say that there is and will be

BLIGHT UPON OUR FARMERS.

Yes! if our farmers are neglectful of their high duty to examine well the great evils that threaten them now, if they fail to see these evils and fail to labor to avert them, by an earnest and united effort in every farming district, to come together one and all and put their seal of condemnation upon the new Constitutitn by that great emphatic word NO! openly, boldly and everywhere NO. If they fail in this duty they may prepare to see around them, even with all Nature's glorious promises of a most bounteous harvest everywhere, a blight and a mildew that shall destroy the most glorious promises that was ever yet accorded to them in this State.

We have conferred with hundreds and thousands over our State, and we have no hesitancy in saying that such is the fear and dread of the future if the new Constitution should be adopted that hundreds and thousands who are now *here* would leave our State to find a place free from *misrule*.

Should the new Constitution be forced upon the people a *blight* would strike every interest, from which our State would not recover in Ten Years; and the greatest evil would fall upon our farmers, and it is to them we now appeal, and ask them in all earnestness *for their own good* to come to the rescue from this impending blight.

We name this evil at the head of this article "A blight upon our farmers" and we feel sure that if what we esteem would be a great calamity, the adoption of the *New Constitution* should take place it would so fearfully effect the farmers' interests that it would be worse than the "Rust in our grainfields" the "smut in our cornfields" the "rot among our potatoes, the canker worm and the caterpillar upon our fruit trees," "the Phylloxera in our vineyards," "the worm in our hop fields," "the scab in the sheep fold" "the distemper among our horses, cattle and swine" some of these evils are occasionally blights upon the hopes of many a farmer—but these evils come singly, and farmers can bear them singly, but if this New Constitution should most unfortunately be forced upon our people our farmers would find the combination of evils so great that it would be like having all the fearful evils *we have named* fall upon them at once, and crush out all hope of a recuperation.

For the reasons we have given in several other articles relative to the injury the *new Constitution* would inflict upon our farmers, we appeal to them earnestly to defeat it, and pray they may, boldly, unitedly, and nobly, every man vote—NO!

Neville & Co.'s New Catalogue.

We have received the new and splendidly illustrated Catalogue of Neville & Co.'s Bag and Tent Manufactory, at 33 California street, this City.

Messrs. Neville & Co., have done themselves and their business great credit by this Catalogue, it is one of the best, most complete and most comprehensious Catalogues we ever received; from the stately Printing Press that has done the work of this Catalogue so well, we have hundreds of illustrations of every department of this extensive business house, from the minute coil of thread that sews the grain and flour sack, to the massive bales of ready made bags, boxes, coils, elegant tents, from the capacity of 4 to 1,000 persons; awnings, sewing machines, presses, grain bags, flour bags ore sacks, hydraulic hose, wagon covers and everything appertaining to a large trade is finely illustrated, making a "book of reference" of much value.

We can assure our Grain Growers that if they will visit this most complete Warehouse, all their wants can be *satisfactorily* supplied.

Wagon Making.

One thousand Wagons a month are made at the great Factory of Fish Brothers & Co., at Racine, Wisconsin.

Who cannot have a ride, this is one of the largest Manufactories in our Country, their Wagons are known the world over—they are now shipping largely to Australia, as the fame of these Wagons are well known there.

G. A. Davis, 327 Market St. is the Agent of this Company.

Crowded Out.—We were compelled to leave out several Advertisements that came too late for our Extra, will give them in our next.

Books and other notices we pass over now to do our duty to the Cause this week heralded.

WIRE OR ROPE FOR BALING HAY.

Formerly wire was used quite extensively for baling hay and is still used in some parts of the State.

There has however been some serious objections made to wire from the fact that by reason of the coils and the kinks in the wire it has occasionally been caught in the machinery of the Mower or Reaper and has done serious injury to the machines.

This objection has not been duly considered by our Haymakers and Grain Growers.

While some say there is a compactness and an economy in the wire they forget the danger and risk to a valuable Mower or Reaper, this view should not be lost sight of.

Another item to remember, the wire when once used is done with, and of no more account, while the *Baling Rope* can be used again when duly saved, for many purposes, even to *two-thirds* its original cost, and "economy is wealth."

We are induced to make these suggestions to our *farmers now* for as the times are, every *penny saved* is as good as a shilling earned, therefore we say to our "Haymakers" and our "Grain Growers" who use the machines that cut and "bale on the field" do not use *wire baling*, but use good Baling Rope, and you will be largely the gainers.

There is another danger arising from the use of wire for baling, when the bales are broken the wire is often carelessly thrown aside in the stable or stock yard, and thus exposes the stock to being caught by the feet, resulting in more or less injury, and sometimes to the loss of valuable animals, nothing more dangerous in a stock yard or stable than baling wire, and when Baling Rope is used there is no danger whatever.

Nothing Safe, Nothing Hopeful.

Every industry of our State, every future prospect, the hope of coming years, for this State, is now depending upon the action of the citizens of California, in the week coming.

The cloud that now rests like a pall upon the vital interests of California will not be lifted save by the united, energetic action of her own best citizens.

Those citizens who have Ships, Warehouses, Stores, Manufactories, Workshops, Farms and other great interests, must now see all these endangered by the threatening cloud that hangs over all these interests, and it must depend upon their united and strong action alone, to lift this cloud and avert the threatened danger, unless this danger is averted, unless the new Constitution is Defeated, our Ships will lie at our wharves idle, our Warehouses will hold their merchandize unsold, our manufacturers will have no demand for their goods, workshops will close; our farms will be sold and our farmers feel the blow as heavy as any other interest, for all must suffer.

The danger is great, it is near, it is imminent, and it behooves all to be awake and alive to duty.

Let the watchword be—*Ready! Ready!! Ready!!!*

Slandering the Grangers.

There has been a great deal said about the Grangers all going in favor of the New Constitution—this is not so, and although there may be some Grangers who conscientiously believe the new Constitution is better than the old, they are justly entitled to enjoy their opinion as well as those who believe differently, but we are glad to known that their opinion is fast changing, and ere the 7th of May thousands of Grangers will have changed from being in favor of the new to voting directly against it.

One of the most able and devoted Grangers in our State, Geo. W. Colby, Esq., a *leader* of the Grangers and the President of several of the Granger Institutions, is now in the field of labor, speaking, writing and working for the old Constitution, and his work is good and he is winning converts every day by hundreds.

With these facts before us we have felt faith that the most intelligent of the Grangers who have business interests at stake will rally strong and show themselves opposed to the new by their bold vote of NO.

Live Stock Sales.

There is now being held continuous sales of very choice stock, of horses, cattle, sheep and swine, and in large quantities.

Now is the time too, for our farmers to secure very choice stock for their farms, and if they are wise and have *cash* on hand, now is their time to invest in a kind of stock that will be better than any other stock for the farmer.

We hope our farmers will be wide awake in these matters and improve every opportunity to increase the value of their farm stock, and thus add to the value of their general property.

TO WOOL GROWERS.

I have for a number of years been Manufacturing, Selling and Using Sheep Dip, with a view of getting an article that will be acceptable to sheep men as a remedy for the disease known as Scab in Sheep. Objections have been made to the use of my Hemlock Dip, on the ground that it was *Poisonous*, and in some cases it produced death when the dip was swallowed, or taken into the stomach by the sheep when dipping; this of course was one objection, and in the hands of inexperienced parties and rude workmen, a sufficient amount of care in using the dip was not observed, and notwithstanding its efficacy as a remedy for the skin disease, parties were constrained to abandon its use through fear of handling it. I have removed the only objection made to the use of my Dip by making and placing on the market a *NON-POISONOUS* Sheep Dip, and I confidentially recommend it as the cheapest and most effectual remedy ever made, and by its use you can eradicate the disease from your flock; try it, it is safe to use at any degree of strength, and in a remedy diluted 100 or 150 parts water.

Yours truly, S. H. KENNEDY,
Omaha, Neb.

P. S.—Mr. Kennedy has just arrived in California, his head quarters at Farmer Office, where he will be glad to see his friends.

FURST & BRADLEY'S SELF-DUMP SULKY RAKE.

The Attention of Farmers is called to the merits of this Rake, and its great superiority over all Self-Dump Rakes heretofore brought to the notice of the public. The Dumping is done by friction bands around the ends of the hubs giving full control of the Rake to the operator, so as to be able to carry the teeth clear of the windrow. This does away the necessity of ratchets and pawls which is so objectionable in all other Self-Dump Rakes. The teeth are of the BEST CAST STEEL and have a double coil which renders them capable of the most severe work.

SEND FOR OUR NEW ILLUSTRATED CIRCULAR TO

GEO. A. DAVIS, Agent,

327 MARKET STREET, - - SAN FRANCISCO.

A CARD.

THE DIRECTORS OF

THE HIBERNIA SAVINGS AND LOAN SOCIETY

—TO ITS—

Depositors and Borrowers

WE HAVE CAREFULLY CONSIDERED WHAT would be the effect of the adoption of the proposed new Constitution upon your interests and upon the trust confided to us we have been aided in our examination of the question by men of tried ability and integrity, and we are now constrained by a sense of duty and responsibility to state to you the conclusions we have reached. In thus addressing you we have no private or personal objects in view This Bank has no capital stock. All its earning, in excess of necessary expenses, are divided equally among all its depositors, without any preference or distinction whatever The average amount to the credit of each depositor is only seven hundred and eighty-two 14-100 (782 14-100) dollars, and the earnings of its sixty-seven thousand three hundred and seventeen (67,317) depositors since the Bank was established, amount to twelve millions eight hundred and seventy-two thousand five hundred and forty-two 63-100 ($12,872,542 63-100) dollars. Our depositors, collectively, own a large capital, but individually they are not capitalists or monopolists. They are respectable working people, by the use of whose money this Bank has largely aided in reducing the rate of interest on money, within twenty years, from two per cent per month to seven per cent per annum Borrowers at this Bank are chiefly of the same class.

Our relations with you hitherto, whether as borrowers or depositors, encourage us to hope that what is here stated may have some force in determining your action. We are bound by the obligations of race—bound by every tie to sympathize with you, and we deplore the unjust and unfortunate competition with which you have to contend, we know that times are hard, but we also know that an unwise decision of the pending question will make times harder. Your condition is not so bad that it may not be made worse, and we are as confident as men can be of anything in the future that the adoption of the new Constitution will only aggravate the evils of which you now complain.

In part it is confused, inconsistent and absurd, that it must lead to protracted controversy and litigation Its scheme of taxation is arbitrary, unjust and impracticable. It proposes to tax (1) depositors on their pass books, (2) to tax the bank on its mortgages, (3) to tax the coin secured by the mortgages, and (4) it multiplies the taxation of dividends. It provides for taxing all contracts and obligations of every description as so much property; and it gives the Legislature power to increase or diminish the rate of taxation upon any particular property—power to make one kind of property pay nearly all taxes required by the State—a power which must lead to infinite strife, contention, bribery and corruption.

It is our deliberate judgment that the new Constitution would tend to make money scarce and dear; to fetter industry, to discourage enterprise; to prevent the establishment or continuance of factories and workshops, to diminish the value of property, and to hinder the construction of buildings and other improvements which go to develop the State and give employment to workingmen, that it is revolutionary and destructive in its spirit and purpose, and tends to create discord and hatred between classes, and that it would do more harm to working people than to any other class.

We, therefore earnestly and respectfully advise you that you would promote the welfare of the State and your own interests by voting against the adoption of the new Constitution.

MYLES D. SWEENY,
C. D. O'SULLIVAN,
M. J. O'CONNOR,
GUSTAVE TOLCHARD,
ROBERT J. TOBIN,
JOHN SULLIVAN,
PETER DONAHOE,
P. McARAN

SAN FRANCISCO, April 24, 1879 49:8

SAN FRANCISCO CORDAGE CO.

ESTABLISHED 1856.

Have constantly on hand a full supply of all kinds of Manila and Sisal Rope—manufactured from the purest Fibres—and by the latest improved machinery All our Manila Rope GUARANTEED

HAY ROPE.

The special advantages of Rope for baling purposes, are the uses to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for Halters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when baled with Rope

FOR SALE BY ALL DEALERS.

TUBBS & CO.,

611 AND 613 FRONT STREET,

SAN FRANCISCO

49:7

E. T. ANTHONY & CO.,

RE-PACKERS,

407 and 409 Commercial Street,

NEAR BATTERY, SAN FRANCISCO.

Dry Goods, Clothing, Blankets, Glassware and other Merchandise packed with care and dispatch, in Bales or Boxes, suitable for Mule Carriage and Shipment.

Bagging, Twine, Oil Cloth, India Rubber and Boxes for Sale.

The Presses of Mr. Anthony cost $12,000, and Mr. A. packs for all San Merchants and does his work well 49:8

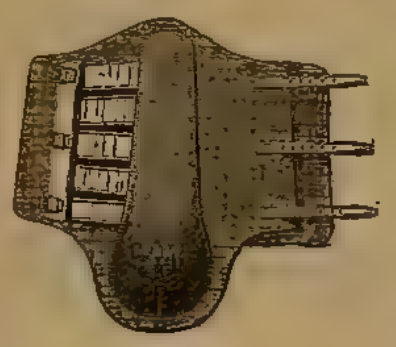
"The Legal Ticket to be Voted on the 7th of May—

"AGAINST THE NEW CONSTITUTION."

MAIN & WINCHESTER

Nos. 214 and 216 Battery Street,

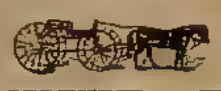
San Francisco.



No. 35.
ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47:20



FOUR SPLENDID WAGONS.

Farmers who desire a splendid Single or Double Seated Wagon, of the BEST make and BEST finish, can have a special bargain if they will call at 320 Clay Street, FARMER Office, where style of the Wagon will be shown them, price and terms also. An early call will secure a bargain rarely obtained.

THE NEW

SHEEP DIP.

We invite our SHEEP RAISERS to a NEW SHEEP DIP just received by us from Omaha, Nebraska, known as KENNEDY'S NON POISONOUS and TOBACCO SHEEP DIP

This new article can be had at a reduced rate in quantities at the

CALIFORNIA FARMER OFFICE.

N. B.—Call for Circulars and Particulars of its quality and merits.

GRAND TRIUMPH FOR EUCALYPTUS.

EUCALYPTUS WILL CONQUER DISEASE.

We publish the following strong TESTIMONIAL in favor of the GRAND REMEDIAL POWER of the Eucalpytus, prepared by DAVID CLARKE, CHEMIST, of Australia.

This Testimonial comes from a prominent Merchant of this City, whose name is with us for reference for all who suffer and would be relieved.

SAN FRANCISCO, April 7, 1879.

EDITOR CALIFORNIA FARMER. *Dear Sir*

Some time ago I had the misfortune to sustain a dislocation of the shoulder received from a fall, and while I was suffering the most acute pain as the effect of it, so much so as to be deprived of my sleep nights, I met my old friend, Col. Warren, who presented me with a bottle of "Eucalyptus Oil" saying as he did so, "try it." "bathe the shoulder and arm well, and on retiring saturate a cloth with the oil, and bind it to your shoulder, and you will have no more sleepless nights on account of pain from that." I followed the Colonel's directions, and must say that the Eucalyptus Oil will do all that is claimed for it as an alleviator of pain (rheumatic and otherwise) and more too.

A preparation made from the Eucalyptus Trees, by frequent ablutions of the eyes will restore weak eyes to strong ones and positively restore the sight as good as ever to people whose eyes are failing, if they will keep their body in good condition by the use of Eucalyptus Pills—while using the eye wash. Yours truly, C. H. B.

N. B.—There are many compounds made in this State, yet however good, the *genuine* Remedials are those prepared by David Clarke, Warwick, Australia, for sale by Warren & Co., Agents.

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS

To all Parts of the United States.

J. F. FARNWORTH. - - - - - - - - - - M. T. BREWER.

THE

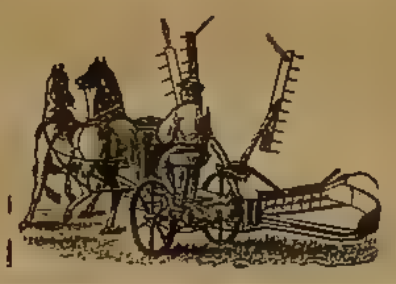
BUCKEYE

—IS THE—

LEADING HARVESTER

—OF THE—

WORLD.



Reduction in the Price of "Buckeye" Mowers.

THE "BUCKEYE" STILL MAINTAINS ITS POSITION AS THE LEADING MOWER IN THE MAKRET.

There are More "BUCKEYE" MOWERS IN USE than all other Machines Combined.

WE ARE ALSO SOLE AGENTS FOR THE

TAYLOR SULKY HORSE RAKE.

Which is Justly Called the "King" of Rakes.

SEND FOR CATALOGUE

MARCUS C. HAWLEY & CO., San Francisco, and Sacramento.

FARMERS AND BUILDERS

SHOULD USE

H. W. JOHNS' ASBESTOS

LIQUID PAINTS, ROOFING, BOILER COVERINGS, Steam Packing, Sheathings, Fire Proof Coatings, Cements.

SEND FOR PAMPHLET, ILLUSTRATED PAMPHLET AND PRICE LIST.

H. W. JOHNS M'F'G Co., 87 MAIDEN LANE, N.Y.

PACIFIC COAST BRANCH,

FRED H. PATRICK, Manager,

5 First Street, San Francisco.

THE

New Zealand Insurance Co

FIRE AND MARINE,

Organized 1859.

Capital, $5,000,000.

With Unlimited Liability of Stockholders

Capital	$5,000,000
Capital paid up	1,000,000
Assets	1,925,655
Re-Insurance Reserve	345,630
All Other Liabilities	180,075
Surplus for Policy-holders	1,450,941
Premiums received to May 31, 1878	7,495,177
Losses Paid to Date	4,509,962
U. S. Bonds deposited in Oregon	50,000

UNDERWRITE, THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandize, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

HEAD OFFICE:

NEW ZEALAND INSURANCE COMPANY,

Auckland, N. Z.

HUGH CRAIG, - - - - - Manager,

OFFICE, 307 CALIFORNIA STREET,

San Francisco.

OREGON BRANCH:

No. 7 FIRST STREET, PORTLAND,

W. F. BROWN - - - - Manager.

47 12

"The Legal Ticket to be Voted on the 7th of May—

"AGAINST THE NEW CONSTITUTION."

THE BEST WAGON ON WHEELS

IS MANUFACTURED BY

FISH BROS. & CO.,

RACINE, WIS.

WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

USING NOTHING BUT

First-Class Improved Machinery and the Very Best of Selected Timber,

AND BY A THOROUGH KNOWLEDGE OF THE BUSINESS, WE HAVE JUSTLY EARNED THE REPUTATION OF MAKING

"THE BEST WAGON ON WHEELS."

We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ——, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {TITUS W. FISH, EDWIN H. FISH, JNO. C. BLOOMER,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. Send for Prices and Terms, and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.

—OR—

GEO. A. DAVIS,

Manfacturers' Agent for Pacific Coast,

327 MARKET STREET,

SAN FRANCISCO.

48:17

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

Full Directions for Use Accompany every Box.

—ALSO—

CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

Clarke's

LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1874.

To MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed good health since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON.

LONDON BOARDING HOUSE, ALBION STREET,

WARWICK, September 23, 1874.

To MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)

[illegible]
Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus:

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,

GALEN CLARK,
Commissioner Yosemite Valley.

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, coming from so high a source, we feel it a duty we owe to the public to give it the following letter:

SANTA CLARA, SANTA CLARA COLLEGE.

COL. WARREN *Dear Sir*

Heretofore we have had no occasion of trying the Eucalyptus Medicines, in Pills or Liquids, but we have commenced to use them, and we find them very beneficial; some of our Fathers find a great relief in their complaints; the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare. Yours respectfully,

A. CICHI, S. J.

At later date we received the following, another proof of the virtue of this Medicine:

The Pills we find to be a mild and beneficial cathartic. The Liquid Extract is a valuable Blood Purifier and a good appetizer A. CICHI, S. J.

The above from Prof. Cichi, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedial.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you David Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY

David Clarke,

Manufacturing and Wholesale Chemist,

AT HIS LABORATORY.

Warwick, Queensland.

FOR SALE BY

WARREN & CO.,

SOLE AGENTS FOR THE

UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

A NEW STRAWBERRY.

SHARPLESS, THE LARGEST, BEST FLAVORED and most productive berry ever produced. Berry raised with ordinary culture from plant, set on September, 12½ inches in circumference, weight, 2½ ounces, and on the same stem four others from the size of a hickory nut to that of a walnut. See warm statement and recommendations in my circular. Free to all sending their name and address on postal card. J. L. DILLON

49:7 BLOOMSBURG, PA.

N. B.—Catalogues and Plants at FARMER OFFICE.

Home Miscellany.

"There is no place like Home.
Home! It should be Heaven on Earth

MEMORY.

On fancy ardent pinions borne,
The mind its sorrows may forget;
The heart by various passions torn,
May cease to throb, but not forget.

Pale recollections will return,
With anguish struggling in her train,
And beauty of her sunbeams shorn
Will fly the haggard form of pain.

Hope's angel visage hovering o'er
Our aching head may ease impart;
But oh! what sovereign's balm can cure
The sorrows of a wounded heart.?

To me, no more the blissful hours
Of youth, of love, of hope are given;
No more my pathway strew'd with flowers
Shall seem the sunny road to heaven.

For hoary time his wreath of snow
Has o'er my throbbing temples thrown,
And down the hill of life I go,
Deserted, friendless and alone!

As some frail bark by tempest riven,
On time's deep boundless wave I lie,
By every storm, still farther driven
On the rough sea adversity.

Dark, deep and fathomless the wave,
For me no anchorage, hope or stay;
No solace, but the silent grave;
No rest, but in my bed of clay.

FINDING FAULT.

In speaking of a person's faults,
Pray don't forget your own;
Remember those with homes of glass
Should seldom throw a stone.
If we have nothing else to do
Then talk of those who sin,
'Tis better we commence at home,
And from that point begin.

We have no right to judge a man
Until he's fairly tried,
Should we not like his company,
We know the world is wide.
Some may have faults, and who has not!
The old as well as young;
Perhaps we may, for all we know,
Have fifty to their one.

I'll tell you of a better plan,
And find it works full well,
To find your own defects to cure,
Ere other faults you tell;
And though I sometime hope to be,
No worse than some I know,
My own shortcomings bid me let
The faults of others go.

Now let us all, when we begin
To slander friend or foe,
Think of the harm one word may do
To those we little know:
Remember, curses, chicken-like,
Sometimes to roost come home;
Don't speak of others' faults until
You have none of your own.

TRADE AND SPADE.

BY CHARLES MACKAY

Between two friends in days of old
A bitter strife began,
And Father Trade with Brother Trade
Disputed man to man.
"You're vain, undutiful and proud,"
Said Spade with flashing eyes,
"You earn your thousands while I starve;
You mock my children's cries,
You ride in state with lordly looks,
You dwell in bower and hall;
You speak of me reproachfully;
And honor in my fall.
So from this hour, in shine or shower,
We'll learn to live apart;
I ruled the earth ere you were born,
I cast you from my heart.

And Trade lost temper in his pride;
He uttered words of scorn,
"You do not know the ways of men,
Amid your sheep and corn.
You doze away the busy day,
Nor think how minutes run;
Go put your shoulder to the work,
And do as I have done.
You've all the world to yield your wealth—
Both corn and pasture land;
I only ask a counting house,
And room whereon to stand.
And from this hour in shine or shower,
We'll learn to live alone;
I'll do without you well enough—
The world shall be my own."

Amid thus they wrangled night and day,
Unfair, like angry men,
Till things went wrong betwee them both,
And would not right again.
But growing wiser in distress,
Each grasped the other's hand;
"'Twas wrong," said Spade, "to rail at trade;
He loves me in the land,"
And Trade as freely owned his fault;
"I've been unjust," he said,
"To quarrel with the good old man,
Who grows my daily bread.
Long may we flourish, Trade and Spade,
In city and in plain!
The people starve while we dispute—
We must not part again."

And all the people sang for joy,
To see their good accord,
While Spade assembled all his sons
And piled his plenteous board.
He fed them on the best of fare,
Untaxed the foaming ale,
And prayed in England's happy shore,
That trade may never fail;
And busy Trade sent fleets of ships
To every sea and strand,
And built his mills and factories
O'er all the prospecting land.
And so we'll sing God save the Queen!
And long may brother Spade,
And the sake of both the rich and poor,
Unite with brother Trade.

[A grand lesson for the times now, when the working men are railing against the merchants, bankers and rich men.—ED. F.]

NOTES OF A TRIP TO EUROPE.

LIVERPOOL—ITS HOTELS AND DOCKS—ENGLISH RAILWAYS—ARRIVAL IN LONDON.

BY AJAX.

Liverpool, like all English cities, is substantially built, everything giving evidence of permanence and durability, streets well paved, sidewalks commodious, buildings with solid foundations, strong, massive structures, built to stand, but lacking the beauty and style of architecture, the light handsome finish which is so general in America. Hotels and public buildings are numerous, the latter being thrown open to the public, where all that is beautiful in art can be seen gratis. Of hotels, the North-Western being the finest will serve as a model. The entrance is imposing, stately columns, on either side, gives it an air of grandeur. Entering we find ourselves in a large court, in one corner of which is the office, from this court leads the main stairway and long halls, grand in proportion, extending the entire length of the building. Off this are doors leading to the reception rooms, dining room, etc., the looks with lofty ceilings, corinthian columns, and beautiful decorations. The fittings and the furniture are the same as in our first-class hotels. The cooking is good, the service excellent, especially when you are liberal, for this is a necessary evil abroad, and you cannot get along without it. I will remark here that this abominable curse of fusing begins the moment you set foot on a foreign bound steamer, and you are annoyed and pestered to death with it—at first you give willingly, then reluctantly, then desperately, and finally subdued, you give for self-protection.

Our first breakfast was a good one, well cooked, and about such as we should have had at home. Both here and elsewhere we watched the natives eat, and found that as a rule they breakfasted on cold meats, stale bread, and tea, chops, eggs, toast, and coffee are indulged in, but hot breakfasts are not general. We also observed that an Englishman makes eating a luxury, enjoying every mouthful, he goes about it in a business like way, takes his time, and enjoys good health as a result.

The hotel office is a small affair, occupying but little room, and is presided over by two or three or more young women, who perform all the duties of our hotel clerks, with half the fuss, and without impressing you with the idea that they own the house. The rooms are large, airy and cheerless, the style of furniture and decorations adding to the cheerlessness, stationary washstands are unknown, and in some cases gas is used only in the halls and dining room. The only reason, I can assign, for English hotels lacking the comforts and conveniences which ours possess, is that they are used only by transient guests, 'who having homes of their own do not look for comforts in a hotel; whilst in America, hotels are the homes for thousands who demand home comforts, and hotel keepers are obliged to have them. There are many things besides which tend to make English hotel life undesirable, but I will leave my readers to discover them by experience. As to cost of living it varies from six shillings to one pound per day, the latter figure being the most common. This includes room, meals, fire and attendance the latter being invariably tacked on to the end of your bill. One would not mind this little imposition if the attendance could be secured with it, but you are obliged to fee besides in order to be promptly waited upon.

THE LIVERPOOL DOCKS.

We spent the greater portion of a day among the world famous docks, massive piles of masonry destined to stand the storm of ages, ships from every clime, flying the flags of every civilized nation known to the commercial world, whilst a forest of masts loom up in every direction. The scene is a stirring one and you are lost in admiration as you walk over the eight miles of docks unequaled in any part of the world. Steamers, ships, and small crafts are continually arriving and departing, some for long journeys, others up and own the coast, and as they sail in and out the mersey presents a scene of animation ever changing, but never ceasing. There are also some fine docks at Burkenhad, immediately across from Liverpool, where many of the Atlantic steamers land. Ferry boats are running back and forth, the traffic being considerable, the boats resemble our side wheal tugs very much, and are noted more for the good service they perform, than for their beauty

OFF FOR LONDON.

Thursday, April 27th, we started for London, the depot is immediately in the rear of the hotel, in fact, forms part of it, and is an immense affair, porters in uniform handle our baggage, carefully, while an obliging guard shows us to a compartment, which a slight gratuity secures for our sole occupancy. Having a few moments to spare we made a careful examination of our train, the engine, a seven foot driver, is intended for speed, and with a nearly straight track, and easy grades, has no difficulty in attaining it. We missed the comfortable cab, where the engineer and fireman are made comfortable, there being in its place a dash board, which is but a slight protection. In this there are two bulls eyes through which the engineer keeps a lookout. Taken as a whole, the engine looks like business all over, and is almost entirely free from ornamentation. The baggage car is utilized both inside and out, the roof being piled with baggage, which in bad weather is covered with a tarpaulin. The coaches are small and lighter in construction than ours, and open from the sides, thus enabling a train to discharge its passengers in one-quarter the time than it takes ours. Each coach is divided into from three to five compartments, with accommodations for from six to eight persons, according to the guage of the road. The seats are roomy and comfortable, with well upholstered seats and backs. There are three classes of coaches on all European railways, and consequently three rates of fare.

The first-class is different from the second, more in price than in extra privileges, the first being upholstered in cloth, the latter in leather, otherwise they are alike. The third-class being upholstered in soft woods, is necessarily uncomfortable for long journeys, apart from this, are bearable, and patronized by a very estimable class of people, although I do not wish to be understood as recommendig it. On observation I found that the better class of English travel second-class, also, most Americans who have traveled abroad much. In England they say that three classes of society travel first-class, noblemen, Americans and fools, the first because it is their right, the second because they always do, the third because they know no better.

We notice as we walk up and down the platform, that besides the porters, all seem to be going on the train—we find on enquiry, that no one but those having a ticket are allowed within the gate, thus preventing a great deal of confusion—leave taking must be done before entering, and ticket must be procured before you can take a seat in the coaches.

A signal from the guard prevents further inspection, we take our seats in our comfortable compartment, and are soon flying over the rails, on our way to London. We catch hurried glimpses of cities, towns and small villages, now and then a castle, or palatial residence, with broad acres extending as far as the eye can reach, and for the whole length of our journey, not one spot which is not occupied and under cultivation.

English railway traveling has its drawbacks, the passenger coaches lacking many conveniences and comforts, both necessary and useful, and as you rush by the stations you are still more convinced of this, especially when you are on a through train, which only stops once for coal. They do not even stop for water, but take it as they go from a long trough between the tracks.

But we forget all our troubles now, for we are in sight of London, and a bewildering jumble of steeples and chimney tops peep through the fog and smoke, and as we gaze upon well known landmarks, venerable relicts of the past, we thank the good fortune that has brought us here and placed those sights and wonders at our very feet, and in a few short hours we shall tread its tangled streets under the very dome of St. Paul's or within the dusky walls of the Tower.

Our train stops at Huston Station, a cab is engaged, our baggage, no inconsiderable amount, is put on the roof, and we are driven to the hotel—the second stage of our journey over.

[CONTINUED IN OUR NEXT.]

HON. MARSHALL P. WILDER.

[We have given a portion of the very able address of Hon. M. P. Wilder, delivered before the New England Historic and Genealogical Society, which was delivered at Boston on January 1, 1879, being the anniversary of this society. When the great age of the venerable Mr. Wilder is considered, now nearly *four score years*, the eloquent address is remarkable, and will be read with an affectionate interest by his many friends everywhere.—ED. F.]

AMERICAN HISTORY.

The facilities for historical investigation are increasing every day. Not only by the enlargement of libraries, but by the publication of ancient records, and the reprint of early journals, which have become too rare to be easily accessible, or which may be in a foreign language, which seals them to the American reader. And here I cannot refrain from speaking of the publications of the Prince Society, an association to which some of us belong, which has done and is doing a noble work for American history. It has just issued its eleventh volume, and this last volume cannot but be of unsurpassed interest and importance to all our historical students. I allude to the voyages of Champlain, translated from the French by Prof. Charles P. Otis, and edited by the Rev. Edmund F. Slafter, both members of the Society. Champlain visited our Atlantic coast in 1604, sixteen years before our first permanent settlement at Plymouth, and twenty-six years before the settlement of Boston. He spent more than three years in the exploration of our harbors, bays and rivers, and left a journal of his observations more minute and at the same time more ample and voluminous than that of any other navigator that preceded or followed him. This journal was printed in French in 1613, and it has thus remained, two hundred and sixty-six years, untranslated down to the present time. The first instalment of the work, which I understand is to be in at least three volumes, has just been placed in our hands. I am sure I shall express the feeling of all historical scholars when I say that we are under very great obligations to our associate member, Prof. Otis, for the successful accomplishment of his difficult task, and for giving us this ancient journal in pure, simple, lucid English; and to the Rev. Mr. Slafter, for the patient industry with which he has enriched its pages with necessary, judicious and learned annotations. When the whole work shall be completed, it will be unsurpassed in value by any other in the language relating to the early history of this continent.

LOCAL HISTORY AND GENEALOGY.

It affords me great pleasure to notice the increased interest now so generally manifested in regard to the history of our towns and the genealogy of their families; by which, this department of our library, already extensive, is largely enriched. Until recently there has been less effort than should have been made to ascertain our lines of ancestry farther back than the landing of our fathers, from the suppressed difficulty attendant upon research in the fatherland. But I have learned of many instances where this has been accomplished with great satisfaction to the persons concerned.

As an illustration, I would state that until recently I had made no thorough research in regard to my own ancestry beyond the landing of Mrs. Martha Wilder at Hingham, in 1638; but I am now enabled, in the Book of the Wilders, just published by the Rev. Moses H. Wilder, our corresponding member, to trace my genealogy directly back for nearly four hundred years, to Nicholas Wilder, a military chieftain, who fought in the famous battle at Bosworth under the Earl of Richmond, afterwards King Henry VII., and to whom that monarch gave, as a token of favor, a landed estate and a coat of arms, which are still in possession of the Wilders in the County of Berks, England, the present rector of Sulham, the Rev. John Wilder, D. D., being the fourth of this line who has sustained that office.

FAMILY INFLUENCE.

And now a word in regard to the influence of the family.

The first institution established by our benevolent Creator was the family, and it has ever been the chief school of human virtue. No influence for good is so great. From it have emanated the principles, piety and patriotism on which forever rest the prosperity and strength of nations. "The records of families," says Dr. Alexander Wilder, "constitute the frame work of history, and are invaluable auxiliaries to science, religion, and especially to civilization." The ties of kindred are the golden links of that chain which binds families, states and nations together in one great bond humanity. Everything therefore which pertains to the history of our families should be carefully recorded and preserved for the benefit of those who are to follow us. He who collects and preserves his own family history is not only a benefactor in his way, but will deserve and receive the grateful thanks of all future generations. "He confers a priceless boon upon those whose names and achievements are thus rescued from oblivion, and preserves the experience and wisdom of ages for the emulation and admonition of posterity." It is therefore a matter of special gratification that so many of our wealthy and influential citizens have aided in publishing the history of their towns and the genealogies of their families. These praiseworthy examples are highly commendable, and permit me to say that I have no sympaty with those who care not from whence they came, or have no interest in the generations which are to succeed them.

These works have greatly enlarged and enriched this department of our library, and are not only eagerly sought for by those interested by family or local relations, but have become an important element in public libraries as valuable sources of historical and genealogical research.

RESEARCHES AND DISCOVERIES.

The wide-spread enterprise which now exists in archæological and geographical researches is not confined to individuals. Many governments and institutions are actively engaged, and these various enterprises are constantly bringing to light important and valuable information. But with all these researches we look back in vain for a full knowledge of races that have preceded us. We find evidences of their existence, but no history of their origin, and little of their character or pursuits, except, perhaps, the common instinct of the soul to acts of worship. We find remains of architectural genius which it would be difficult now to reproduce, of artistic taste in stone and metal of the most curious design, but not a trace of books or anything that can inform us of their origin, progress or power. And so it has been of all races that have left no literature behind them. Strange indeed that so little should have been known of some countries or their antiquities until lately:—but thanks to our modern travelers and explorers, to Agassiz, Layard, Speke, Baker, Livingston, Stanley, Schliemann, La Plongeon, Cesnola and other investigators, we are now making rapid progress in the acquisition of knowledge with reference to the lost things of earth. These researches are furnishing us with new stores of knowledge in regard to the interior of Africa, the forests of Cambodia, the island of Cyprus, the ancient cities of Mycæna, Troy and the Egyptian Pyramids. Nor is this confined to the Old World. The discoveries of La Plongeon in Yucatan, and the explorations by our Government and the work of the Smithsonian Institution on this Western Hemisphere, and our various historical and antiquarian societies, have furnished us with specimens of the arts of people of which we have known nothing before, and have increased our desires for still further knowledge.

Who were the mound builders? Who the cliff dwellers? Who the strange people in south-eastern Asia, scarcely human in expression, yet leaving evidences of ingenuity in architecture and sculpture as perfect in proportion, form and size, as those of China or Japan? In some of these we find resemblances to those of other nations, and of colossal proportions; but how these could have been transported from places very distant, or from whence they were derived, are mysteries yet unexplained. These researches and discoveries have given a new impulse to the students of archæology and history, have added largely to our former knowledge, and are the advance-guard of one of the most profound studies of the present generation. And what is worthy of note, although indicating a state of barbarism, they frequently give evidence of an advanced stage of civilization. We give a hearty welcome to all these investigations, and would aid them with such means as we have. But interesting and useful as these researches are in revealing the history and the influence of the past, let us so discharge the duties of our day that posterity may enjoy the true record of our times, without distressing ourselves as to these antiquities, whether of a pre-Adamite origin or of a prehistoric people.

[TO BE CONTINUED.]

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SAN FRANCISCO, CAL. 49:5

Miscellany.

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TEXAN CATTLE DRIVE.

We are in possession of the facts and figures which will enable those interested in the drive of cattle from Texas north to form an idea of what the supply of cattle from that source will be. Last week we published a communication from San Antonio, Texas, which estimated the coming drive at 179,000, and the following from the San Antonio *Express* of last Friday corroborates that estimate:

Several prominent stock-raisers and drovers have been in the city the past week or ten days, and they almost unanimously unite on an estimate of 175,000 to 200,000 head as the number of this year's cattle drive from Texas. The first number is considered low, and the last the greatest that can be expected. The greater proportion of the drive will be yearlings and two-year-olds. Prices are considered high, but holders are firm. The demand for cattle is very good, but the transactions have been rather light of late, many who came here to buy preferring to wait for better rates, or, failing in that to take their chances after the cattle reach the north. The margin in the cattle driving business is considered so close that buyers hesitate before they close a contract. Profits are estimated by cents, almost, to where they were formerly calculated by dollars.

The *Express* then goes on to say that cattle in Western Texas are scarce and with the little profit now made there are many advocates of stopping the drive entirely for a few years in order to re-stock the country and thereby reduce the supply, and consequently increase the demand at the north. The closing paragraph in the article from which we have taken extracts is as follows:

Let the north west become drained of its cattle, and the old prices for Texas cattle would revive, and then our stock could readily be sold at rates far in advance of what is now considered as entirely too high. This, it is believed, could be accomplished by stopping the drive for a year or two.—*Kansas City Indicator.*

Tender and Small Feet.

A horse with tender, thin-walled, and small feet is certainly better off without shoes on; and the longer time he can be spared from work, the better. Such a horse should not be kept tied in a single stall, but should be given outdoor liberty when the weather permits; and when indoors he should go loose in a comfortable shed or box-stall, with earthen floor. Look out for corn. A few month's liberty on pasture in the spring would be beneficial. Such a horse should never wear heavy shoes, and the smith should be told not to drive the nails tight when shoeing.

Warbles.

Warbles are the larvæ of the insect *Œstrus bovis* placed under the skin of cattle during the latter part of summer. They are generally located along the back of cattle. When present in large numbers, they may be the cause of considerable irritation and annoyance to the animal. In small numbers, they do not appear to be noticed by the cow. They may be removed by puncturing them with a darning needle, or small pen-knife, and squeezing them out with the fingers. No other treatment is necessary.

A matter-of-fact philosopher asserts that "love in domestic life what butter is to bread—it possesses little nourishment in itself, but gives substantials a grand relish, without which they would be hard to swallow.

As the happy couple were leaving the church, the husband said to the partner of his wedded life: "Marriage must seem a dreadful thing to you; why, you are all of a tremble, and one could hardly hear you say 'I will.'" "I will have some courage and say it louder next time," said the blushing bride.

We are to have sorrow and suffering; but we are not to wear them as garments. It is for us, if we be true Christians, to have such a constant tendency toward joyfulness that when sorrow comes we shall be able to strike them through with the light and color of hope.

The more the agricultural situation is discussed, whether by the press or in public meetings, the more general becomes the conviction of the importance of agriculture in the nation's welfare. It is of importance to the whole community that the land should be worked to the highest advantage. The farmers themselves are fast rising to a proper appreciation of the value and dignity of their calling.—*Jackson Sentinel.*

France is at present held up as the model country of the world, on account of its wonderful recuperative power, as well as its enormous internal resources. After paying off the indemnity to Germany of about $1,000,000,000, she has rebuilt her army on a scale larger than before the war, and in the meantime has advanced in material prosperity. Yet her export trade is less than one-half that of England and her imports exceed those, and at present she is depending on imports for a large portion of her wheat supply to the extent of about 25,000,000 bushels, and has no colonies to add to her wealth nor any foreign investments. With an area of 204,096 square miles, or less than the State of Iowa, Kansas and Nebraska, she supports a population of 37,000,000, and has little or no relief from emigration, and has but little mineral wealth.

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N. B.—Letters can be directed to me care of EDITOR FARMER, to whom we are permitted to refer for the excellent quality of our Fruit Dryer. A. B. C.

49:7

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—AND—

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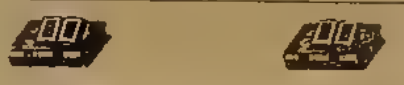

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Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

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The charge for advertising in the FARMER is as follows:—All line advertisements will be ONE DOLLARS for Five Lines, or less, Nonpareil, *first insertion*, larger space, *Fifteen Cents per Line*; each subsequent insertion, *Ten Cents per Line.* This offers the best and most reasonable rates, giving us the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community.

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WARREN & CO., Proprietors,

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We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill*" this we cannot do without CASH, or a special understanding before hand.

WARREN & CO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, May 1, 1879.

Money and Exchange Tables.

Exc. on England, new style, long and short	4 87½ a 4 88½
Gold, at par	— 1 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	8s 0d a 9s 2d.
Value of Club Wheat in Liverpool	9s 3d a 9s 6d.
Value of Wheat in New York, bushel	1 02 — 1 12
Brewers Barley in New York, bushel	90 — 1 10

MONEY AND EXCHANGE TABLES.

The immense sale of U. S. Bonds shows plent of money yet money accumulates in Washington, while business meo ne

We repeat what we said in our last issue, true then, it is more true now. Bonds for $150,000,000 sold in one lot to New York Bankers.

Money everywhere, in all the great marts of trade, is very abundant and rates of interest low, the very great depression in trade stops business, and no one feels like investing either in trade or any manufacturing business, and this state of things will continue till after the Constitution question is decided—if our people *reject* it "The country is safe," if they accept it, confidence will be lost and a general stagnation of trade, for our people see danger and trouble in the New Constitution, and its rejection only can give confidence and make trade revive once more.

Money in New York is a drug, as low as 1, 2, 3 per cent per annum on three months' paper.

Our bank rates are 7 to 9 and 9 to 12 per cent, according to cases—long loans can be had at 7 per cent and less.

There is now more coin in the vaults of the U. S. Treasury than in both the Banks of England and France.

GRAIN AND FLOUR MARKET.

The *Grain* and *Flour Market* can be said to be in a peculiar condition, for while there is a very large surplus of grain for export on hand it may be difficult to send it forward for want of ships, as there is a growing scarcity of good seamen—a thing rarely if ever known before—seamen wages nearly double.

By reason of continued late rains and so copiously, all fears about the crops are over, and from present appearances we shall have a most abundant season in grain crops of all kinds.

Had we ships ready manned now, there would be large shipments of flour and grain abroad, not that the market offers good prices but from a desire of holders here to sell.

Our grain holders we think are now ready to meet the market and sell, and so of our millers. Flour has fallen in price and will go lower, and this will induce very large shipments as soon as the ships are ready.

The *Wheat market* has now been checked and prices must rule lower—in spite of the "say so" would be dictators of the markets, wheat and other grains will make lower figures and this by reason of the European markets, which are not so favorable just now, and also, our ships will soon be tied up here unless seamen are more plenty.

The wheat market is really from 5 to 10 cents lower, even with our efforts at export.

The *Barley market* rules low and will remain so, although Australia and New Zealand has been a good market for barley, the last shipments thence have glutted that market, and made shippers from this side count their profits "over the left."

The *Market* for *Oats*, *Corn*, *Rye* and *Buckwheat* are all dull with very light sales, and at lower rates.

The *market* for *Feed Stuffs*, such as *Bran*, *Middlings*, *Corn Meal*, *Ground Barley*, and *Oil Cake Meal* are all about as last report, and even a little lower.

We can say truly that the "pall of dullness" prevades the grain trade and will so continue until the great question of that Constitution is fixed.

The *Hop market* may be said to have *gone in*, for there is no market at all for hops hardly anywhere—England has sent her 2, 3, or 4 year old hops, all the refuse stock, to Australia and glutted that market, therefore we have no market there for our stock—hops are a dead letter at present.

The *Hay Market* is down in value, and the quality of hay on the market is not as good as usual.

The *Honey market* rules very, very low—see our market with fine comb honey at 10 cents a pound—while we can export 1,000 tons in 1879—*Beeswax* is wanted for export.

The *market* for *Hides*, *Leather* and *Tallow* may be said to have taken a little more lively and better rates for hides and leather.

We have repeated our remarks upon markets of a former date with few exceptions, they are now strictly true, and therefore appropriate for this large extra edition.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 45 — 1 50
do Choice do.	1 60 — 1 62
do Milling do.	1 62 — 1 65
Barley, per 100 lbs., feed	65 — 70
Barley, for brewing, (Chevalier)	1 12 — 1 25
Rye	85 — 1 00
Oats, California, per 100 lbs.	1 00 — 1 50
Corn, do. do.	90 — 95
Flour, Superfine, per bbl.	4 00 — 4 25
do. Extra	4 25 — 4 50
Extra Flour for shipping	5 00 — 5 25
Very Extra Family Flour	5 25 — 5 75
Oregon Superfine	4 00 — 4 25
do. Extra for Shipping	4 75 — 5 00
Corn Meal per 100 lbs.	2 00 — 2 25
Buckwheat per do	1 25 — 1 50
Bran per ton	12 00 — 12 50
Middlings per ton	17 50 — 18 00
Ground Barley	19 00 — 20 00
Oil Cake Meal, for feed, per ton	— 32 00
Beans, per 100 lbs, various	1 75 — 2 00
Beans, Lima	4 00 — 4 50
Potatoes, common	65 — 75
Potatoes, choice	1 10 — 1 20
Early Rose	1 25 — 1 40
Sweet Potatoes	2 40 — 2 50
Onions, new	12 50 — 13 50
Hay per ton, ordinary	8 00 — 10 00
Hay per ton, extra	11 50 — 13 00
Wheat Hay	12 50 — 13 00
Alfalfa Hay	—
Straw per ton	5 00 — 6 00

Retail Prices in the Fruit Market.

Our *Fruit market* is now beginning to show its new fruits—Strawberries begin to flow in freely and prices to come lower, within the reach of more people—Oranges are not as plenty, other tropical fruits are plenty—Apples are still good—Nuts plenty, so a good dessert can be had.

Cherries are now in market, and other early fruits will soon follow.

Apples, per box	75 — 1 50
do. do. lb	6 — 8
Pears, per box	2 50 — 3 00
" per lb	10 — 12
Figs, dried, per lb.	12 — 15
Tahiti Oranges, per doz.	20 — 30
Lemons, imported, do.	30 — 40
Limes, do. do.	20 — 25
Pine Apples, each	75 — 1 00
Bananas, per bunch	2 00 — 3 50
California Oranges, per dozen	10 — 40
" Lemons, "	30 — 40
" Limes, "	15 — 25
Cherries	30 — 40
Strawberries	6 — 10
Gooseberries	12 — 15
Persimmons	20 — 25
California Walnuts, per pound	8 — 12
Almonds, hard shell, per pound	12 — 15
do. soft shell, do.	10 — 18
Foreign Pecan Nuts	12 — 15
Madeira Nuts	12 — 15
Foreign Brazil Nuts	15 — 20
Filberts	12 — 15
Chili Walnuts	7 — 10
Pea Nuts	8 — 10

Retail Price in the Vegetable Market.

Our *Vegetable Market* shows steady improvement in quality and quantity as the season advances, one great feature in the market just now is the great abundance of Asparagus, never before have we seen so great quantities, or so superior grass and at so low prices—New Potatoes, Green Peas, Rhubarb, all are fine, Tomatoes, Sallads, and all market stuffs are excellent.

Asparagus	3 — 4
Artichokes, (French) per doz.	15 — 20
Tomatoes, per lb.	30 — 35
Beets, per doz	— 25
Broccoli, each	8 — 10
Cauliflower	8 — 10
Cabbage, do	8 — 10
Carrots, per doz.	— 25
Celery do.	75 — 1 00
Celery Root per dozen	— 75
Cress, per dozen bunches	10 — 12
Cranberries, per gallon	60 — 80
Dried Herbs, per doz.	30 — 40
Green Peas, per lb	4 — 5
Lettuce per doz. bunches	12 — 12
Onions per lb.	15 — 18
Horseradish, per lb.	12 — 15
Okra, green, per lb.	— —
Okra, dried, per lb.	— 50
Choice Potatoes	1½ — 2
New Potatoes	4 — 5
Potatoes choice, per 100 lbs	1 50 — 2 00
Kidney Potatoes, per lb	2 — 3
Pumpkins	1½ — 2
Parsnips, per doz. bunches	— —
Salsify, do. do.	20 — 20
Parsley, do. do.	20 — 20
Pickles, per gallon	15 — 20
Radishes per doz. bunches	40 — 60
Rhubarb, per lb.	6 — 8
Squash, Marrowfat	3 — 5
do. Hubbard	2 — 3
Lima, Dry	8 — 10
String Beans, per lb	10 — 12
Sponge per lb	— 5
Salsify, per bunch	4 — 5
Turnips, per doz.	— 20
Garlic	8 — 10
Eschalot	15 — 20
Mushrooms	8 — 10

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea. Our salmon beat the world for this choice fish—some extra fish are now in market.

Salmon ₱ lb.	8 — 10
do smoked new	10 — 12
do pickled, ₱ lb	6 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Smelts, per lb.	— 10
Perch do.	— 10
Rockfish do.	— 10
Codfish, dry, per lb.	— 8
Herring, fresh, per lb.	— 25
do smoked, ₱ doz.	— 12
Tomcod, per lb	— 10
Sardines, fresh, per lb	— 20
Solefish, per lb	15 — 25
Mackerel pickled, each	— 10
Shrimps, per lb.	8 — 10
Flounders do.	12 — 15
Sea Bass do.	20 — 25
Halibut do.	40 — 50
Sturgeon do.	3 — 4
Turbut do.	30 — 40
Terrapin, ₱ doz.	2 50 — 3 00
Pompono do.	— 2 50
King Fish do.	— 25
Anchovies do.	12 — 15
Frogs, per doz.	2 00 — 2 50

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market. Oysters are showing nice and fat and the public appetite now craves this delicious bivalve Every day a grand show in our market If you desire the choicest of these luxuries, go to Geo. Mayes in California Market.

Oysters ₱ 100 choice	75 — 1 00
Chesapeake oysters per dozen	50 — 75
Crow Fish, per lb	12 — 15
Clams per 100	— 50
Mussels do	— 25
Crabs, boiled, each	— 25
do. soft, per doz.	— 50

Retail Meat Market.

The *Retail Meat market* furnishes all the choicest kinds at unusually low figures for this season of the year, and thus is an unusual full market.

Porter House	15 — 20
Porter House, extra	20 — 25
Beef, tenderloin, per lb	15 — 18
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	8 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	10 — 12
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	10 — 12
Beef tongues, each	— 25
Pigs tongues, each	— 15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	13 — 15
Choice hams, Duffield	15 — 18
Whitaker, St. Louis, Mo.	15 — 18

Poultry and Game Market.

The *Poultry market* has been fairly supplied, and prices generally steady.

The game season is over yet there is still game in market by stealth.

RETAIL PRICES.

Ducks tame each	75 — 90
Canvas Backs, pair	75 — 1 00
Small Ducks, dozen	1 50 — 2 00
Geese tame, per pair	2 00 — 2 50
Broilers	50 — 60
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb.	25 — 28
Snipe, English per doz	3 00 — 3 50
Pigeons, domestic, per doz.	4 00 — 4 50
Quail, per doz	1 00 — 1 50
Hares each	25 — 38
Rabbits, tame, pair	50 — 75
do wild, per doz.	1 75 — 2 00
Squirrels, per pair	— 25

Poultry and Game—Wholesale.

Broilers, per doz.	4 00 — 5 00
Large Chickens, per doz.	6 00 — 7 00
Hens, per doz.	7 00 — 8 00
Turkeys, dressed, per lb.	18 — 21
Ducks, tame, per doz.	7 00 — 7 50
Canvas Backs, dozen	3 00 — 4 00
Small Ducks, dozen	1 00 — 1 50
English Snipe, per doz.	2 50 — 3 00
Geese, tame, per pair	1 50 — 2 50
Pigeons, domestic, per doz	3 00 — 3 50
Quail, per doz	1 00 — 1 25
Hares, per doz.	1 50 — 2 00
Rabbits, tame, per doz.	1 50 — 1 75
Squirrels, per doz	75 — 1 00

Retail Dairy Market.

The *Dairy market* is not now fully supplied—dairymen are now packing down butter choice roll butter is now selling as low as 21 to 23 to the trade, California cheese is more plentiful and at a lower figure—eggs are very plenty and the lowest of the season.

There is now large quantities of butter arriving from the East, an unusul quantity—this affects our market.

Butter, California, Extra Choice per lb	30 — 35
do. do. for (Cooking) do	20 — 22
do. do. packed best roll	25 — 30
do. do. Eastern	20 — 25
California Eggs, per doz.	23 — 25
Oregon	— 20
Duck Eggs, do	— 25
Cheese per lb	15 — 20
do. Sage, per lb.	25 — 30
Eastern Cheese, do.	25 — 30
Lard, California, per lb.	16 — 18
Lard, Eastern, do.	— 15
Honey, Comb	12 — 15
do. Strained	8 — 12
Vermont Maple Sugar, per lb.	— 20

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb. (Fresh)	23 — 25
do. Packed Roll, do.	21 — 23
Eastern Butter	16 — 20
Cheese, California, per lb	10 — 13
California Eggs, per doz.	20 — 21
Eastern Eggs, per doz.	21 — 22
Duck Eggs "	18 — 20
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	13 — 16

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging Trade* is a little better and market for grain and wheat bags firm at 9½ to 9¾ cents, late delivery.

There will undoubtedly be enough bags to meet all demand this year, and although we believe there will be found to be more grain on hand than has yet been reported, we shall have bags enough for all.

Messrs. Neville & Co., the extensive bag manufacturers, 33 California Street, can supply our farmers at the lowest rates and on best terms.

Hand Sewed Bags, Standard, 22x36 com. prices	9 — 9½cts.
Second Hand, Extra	8 — 9¼ do
Machine Sewed, 22 x 36	8½ — 9 do
do do 20 x 36	— 8¼ do
Barley Bags, 22 x 40	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— 8½ do
Wool-sacks, new	45 — 50 do
do second hand	30 — 40 do
Potatoe Gunnies, Double Sewed	13 — 13½ do
do. do. Second Hand	10 — 10½ do
Flour Bags, q[illegible]	4½ — 5 do
do. halfs, six qualities	7 — 9 do

Staple Home Products.

Our general assortment of *Home Products* show well, and their general increase show that our State and coast productions is fast stopping importation of many articles, and, because we grow, prepare and manufacture a better quality.

These are established facts known at home and abroad.

Flax Seed, per lb.	2½ — 3
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	3 — 3½
Castor Oil No 1 Diamond in cases, per gallon	— 1 30
" " " barrels "	— 1 20
Castor Oil, No. 2 Diamond in cases per gallon	— 65
" " " barrels "	— 75
Linseed Oil, Boiled	— 72
do. Raw	— 55
Cocoa Oil	9 — 10½
Hops, California	10 — 12½
Alfalfa	2 — 3
Mustard Seed	4 — 5
English do.	4 — 5
Canary Seed	5 — 10
Coriander Seed	4 — 6
Broom Corn	24 — 28
Bees Wax	

California Leather Market Report.

The *markets* for *Hides*, *Leather* and *Tallow* are all dull, these all feel the general apathy of trade, with sales nominal, prices and value rule low hides however have improved.

California Sole Leather	20 — 20
do. Harness do.	28 — 30
do. Skirtings,	30 — 37½
Bridle Leather	4½ — 6½
Rough do. Oak Tanned	18 — 22
Waxed Calf Skins	50 — 1 00
do. Kips do. per dozen	30 00 — 55 00
do. Leather per foot	13 — 15

Wool, Tallow, Hides, Etc.

The *Wool Market* has a little excitement by arrivals of new clip, and there are a number of early purchasers here—some sales have been made, but heavy sales none, and in the present depressed state of trade generally, no heavy sales will be made, the wool sold goes East.

The prices of wool must rule low—such is the word from New York, Boston, Philadelphia and in Europe.

Wool, Spring Clip	12 — 15
do. Choice Extra	10 — 18
Fall Clip	14 — 18
Oregon Wool, per lb	18 — 20
Medium, bright	12 — 14
do. Burry	8 — 11
Goats' Wool (mohair)	20 — 25
Dry Hides, per lb.	14 — 15
Green Salted, per lb.	7 — 9
Deer Skins	50 — 1 00
Sheep Skins, wool on	25 — 75
do. do. plain per dozen	50 — 1 00
Goat Skins, each	5½ — 6½
Tallow various grades	7½ — 8
Tallow, refined	

Average Slaughtering Prices.

The *Wholesale Meat market* continues well supplied, and at low figures, the quality of the meats in our markets are always A No. 1—this week prices are low

Beef, American, 1st quality	6 — 7 cts
do. do. 2d. do.	4 — 5 do.
do. do 3d. do.	3½ — 4 do.
Veal	6 — 8 do.
Mutton	4 — 4½ do
Lamb	7 — 10 do
Pork, Undressed	4½ — 5 do.
do. Dressed	6 — 6½ do.

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED ACcommodations for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU March 17th, and every fourth week thereafter.

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports; also, HAVANA and all WEST INDIES ports on 5th and 20th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

47:6

THE

"ORMSBY,"

CARSON CITY,

NEVADA.

FIRST-CLASS IN EVERY RESPECT.

HEADQUARTERS FOR ALL STAGE LINES OUT OF CARSON CITY, AND FOR LAKE TAHOE TRAVEL.

John T. Pantlind, Proprietor.

49:7

AUZERAIS HOUSE,

SANTA CLARA STREET, SAN JOSE.

S. W. CHURCHILL, Proprietor.

Auzerais House Coach and Carriages always in Attendance on arrival of trains.

Central Pacific Railroad.

Notice to Shippers.

Please take notice that this Company will maintain, for transaction of business in Oakland, TWO STATIONS, viz.

MARKET STREET AND SIXTEENTH STREET

and to avoid delays we would request shippers to state on receipt, name of station to which freight should be delivered; as in the absence of same all consignments will be taken to Market Street.

J. A. ANTHONY,
Agent.

SAN FRANCISCO, Jan. 13, 13, 1879.

"The Legal Ticket to be Voted on the 7th of May—

"AGAINST THE NEW CONSTITUTION."

C. P. R. R

COMMENCING

SUNDAY, JUNE 6th, 1875.

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento, making close connections at Napa with Stages for Sonoma. (Arrive 3:55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 6:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 3:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 8:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Caliente and Los Angeles Also at Niles with Train arriving at San Jose 6:55 P. M. (Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily. (Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND.

"Daily"—7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M.; 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.

"Daily, except Sundays"—6:10 A. M. and 11:45 P. M.

"Sundays only"—10:30 and 11:30 A. M.; 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily" 7:00, 8:00, 9:00 10:00, A. M., 12:00, 2:00, 4:00 5:00 6:00 and 10:30 P. M.

"Sundays only"—11:00 A. M., and 1:20 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M., 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—7:30, 8:30 and 9:30 A. M.; 1:00, 2:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—8:30 11:00 A. M. and 11:45

"Sundays only"—10:30, 11:30 A. M. and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily" 6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 and 10:10 P. M.

"Daily, except Sundays" 5:10 and 5:50.

"Sundays only" 11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily" 7:00, 8:03 and 9:00 A. M., 3:00, 3:58, 5:00, 6:08 and 7:00 P. M.

"Daily, except Sundays"—5:00, 5:40, 11:30, A. M., and 1:30 P. M.

"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays" 6:55, 8:00 and 11:05 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M.; 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:30, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays" 5:20 A. M. and 1:50 P. M.

"Sundays only"—10:20 and 11:20 A. M., 12:20, 1:20 and 1:35 P. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

SUMMER ARRANGEMENT.

Commencing Monday, April 21, 1879,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows:

8.20 A. M., *Daily* for San Jose and Way Stations. ☞Stages for Pescadero (via San Mateo) connect with this train only

9.30 A. M. *Sundays only* for San Jose and Way Stations. Returning, leaves San Jose at 6 P. M.

10.40 A. M. *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Salinas, Soledad, and all Way Stations.

☞AT PAJARO the SANTA CRUZ, R. R. connects with for Aptos and Santa Cruz. At Salinas the M. & S. V. R. R. connects with this train for Monterey. ☞Stage connections made with this train. (Pescadero Stages via San Mateo excepted.)

Parlor Car Attached to this Car.

(SEATS AT REDUCED RATES.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, Pajaro, Hollister, Tres Pinos and principal Way Stations.

☞On SATURDAYS only, commencing May 10th, the Santa Cruz R. R. will connect with this train at PAJARO for Aptos, Soquel and Santa Cruz. RETURNING, passengers leave Santa Cruz about 4:30 A. M. Mondays (breakfast at Gilroy), arriving at San Francisco at 10:00 A. M.

☞SPECIAL NOTICE—On SATTRDAYS ONLY, commencing May 3d, the run of this train will be extended to SALINAS—connecting with the M. and S. V. R. R. for MONTEREY Returning leaves Monterey MONDAYS (breakfast at Gilroy), arriving at San Francisco at 10:00 A. M.

3.30 P. M. *Sundays only* for San Jose and Way Stations.

4.25 P. M. *Daily Sundays excepted* for San Jose and Way Stations.

5.00 P. M. *Daily Sundays excepted* for Menlo Park and Way Stations.

6.30 P. M. *Daily* for Menlo Park and Way Stations.

Excursion Tickets at Reduced Rates

To San Jose and Intermediate points, sold on Saturdays, and Sunday morning, good for return until following Monday inclusive, as follows:

Baden	$0.50	Fair Oaks	$1 50
San Bruno	0.50	Menlo Park	1.60
Millbrae	0.65	Mayfield	1.75
Oak Grove	0.90	Mountain View	2.00
San Mateo	1.10	Lawrences	2.25
Belmont	1.25	Santa Clara	2.50
Redwood	1.40	San Jose	2.50

Also, EXCURSION TICKETS to Aptos, Soquel, Santa Cruz and Monterey, sold on Saturdays only—good for return until the following Monday inclusive.

SECOND-CLASS FARE.

Between San Francisco and San Jose, - - $1.00

☞A car with Sleeping Accommodations, constructed expressly for this travel is attached to Freight Trains, leaving San Francisco at 4:00 A. M., and San Jose at 8:30 P. M. (daily Sundays excepted).

A. C. BASSETT, Superintendent.
H. R. JUDAH, Ass't Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

☞Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 4:00 P. M. daily, and making close connection at GOSHEN for Sumner, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton Colorado, River and YUMA.

"The Legal Ticket to be Voted on the 7th of May—

"AGAINST THE NEW CONSTITUTION."

1854. 1879.

THE

CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FIFTH year with 1878, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD of the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on this Coast—this was at Sacramento in the year of 1852, and also the GRAND FAIR at San Francisco in 1858—both these Agricultural Fairs were planned, maintained, and conducted successfully as an individual enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

THE CALIFORNIA FARMER was the first and only advocate of SILK CULTURE, TEA CULTURE, COFFEE CULTURE, COTTON CULTURE, and the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS, and this was in early years when the masses lightly esteemed all such enterprises.

THE CALIFORNIA FARMER was the FIRST and only advocate for the planting of the ALFALFA as a forage plant, and the first to introduce the seed and its culture, and not only this grass, but all other valuable grains and forage plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STOKING WHEAT, of SUMMER FALLOW, of SUBSOILING, and of DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL—doctrines that have now, after long years of trial become the basis of true and successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE OF AGRICULTURE, which such years of labor merit, our JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

The TERMS OF THE CALIFORNIA FARMER being placed at a low price, should induce, as we trust it will, a generous addition to our LIST OF SUBSCRIBERS for the year of 1879.

Desirous of placing this old PIONEER AGRICULTURAL JOURNAL, (The only exclusive AGRICULTURAL JOURNAL of the Pacific Coast), before the people at so low a price that all can have it, we make the following

Terms for the Year 1879.

And With Seed Premiums.

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Six Copies,	20 00
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California Farmer, 1879.

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We propose for the year of 1879 to offer to our Patrons the following valuable JOURNALS in connection with our own, all at reduced rates, so as to give them the best works at low rate—(all postpaid). Price per year.

The FARMER and VICK'S MONTHLY MAGAZINE	$ 5 00
The FARMER and AMERICAN AGRICULTURIST	5 00
The FARMER and POULTRY JOURNAL	5 00
The FARMER and RURAL NEW-YORKER	6 00
The FARMER and PHRENOLOGICAL JOURNAL	5 00
The FARMER and AMERICAN BEE MAGAZINE	5 00
The FARMER and SCIENTIFIC AMERICAN	7 00
The FARMER and HARPER'S MONTHLY	6 00
The FARMER and HARPER'S WEEKLY	6 00
The FARMER and HARPER'S BAZAR	6 00
The FARMER and HARPER'S THREE WORKS	8 00

[Others to be added.]

WARREN & CO.

EDITORS AND PROPRIETORS,

820 CLAY ST.,

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BOOK OF POLITENESS and list of 1500 pieces of new sheet music, full size at half price, 10 cents, postpaid. J. BEISLEY, Freehold, N. J.

CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, MAY 8, 1879. NO. 9.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

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SAN FRANCISCO.

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BRYDON & CO., Brisbane, Australia.
DAVID CLARKE, Chemist, Warwick, Queensland.

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☞ Our full ADVERTISING RATES will be found on t SEVENTH PAGE.

All Letters on Editorial Matters to be addressed to COL. WARREN, Editor.

☞ All Letters on Business connected with the Office should be addressed to

WARREN & CO., Publishers.

EUROPEAN.

From our Special Correspondent.

PARIS, February 27, 1879.

GREAT SHOW OF STOCK, IMPLEMENTS, ETC.

The Fat Stock show just held in the Palace of Industry was not so brilliant as compared with former years, although the entries were superior. The "Exhibition" had already exhausted the choicest lots, and the installation left much to be desired, owing to the best portion of the building being occupied with the Lottery prizes. It is now some 35 years since these shows were founded, and they have not only imparted a great impulse to agricultural ameliorations, but serve also to register the successive steps attained. Both in the cattle, sheep, and pigs, the happy results of crossing with foreign stock, English blood, is apparent. There is also the tendency to show more "lots," than individual specimens of animals. The display of agricultural implements was satisfactory, only as usual, its installation leaves everything to be desired. New manufacturers are disputing reputations and orders with old firms. There were entered, 231 oxen, 36 cows, 75 lots of sheep, 190 pigs, 17 calves, 2,009 live barn-door fowl and 1,994 implements; the collection of butter, cheese, dead poultry, fruits, and other agricultural products, was extensive and excellent. A few notable facts; the public took greater interest in this show than on similar occasions; the awards gave next to general satisfaction to the competitors—though the juries are next to invariably composed of the same persons, and the owners of the exhibits, commence to better comprehend, the value of "precocity," in the breeding of stock, whether the animals be destined directly for the butcher, or, as in the case of oxen, passing first through draught stage. Of the 284 cattle exposed, one-third at least were Durhams, and nearly another third had Durham blood; the charolais and nivernais breeds, even the best specimens of them, perhaps contain a little of the famous foreign blood. These "native Durhams," want the mathematical regularity of the pure breed; the flesh on the hips hangs in hemispheres, and ends abruptly at the upper part of the hock; the loins are not well developed; the sides are not arched, and the head is generally feminine in its looks. In the prize animal, the butcher will find scanty tallow, but much flabby fat, and the public but little meat.

PRIZE STOCK—TARIFF—IMPLEMENTS, ETC

The prize oxen, aged 33 months, weighed 16½ cwts. and the prize cow of 17 cwts. was 5½ years old; the prize sheep were of the dishley-berrichon breed, and the best pig was a normand-yorkshire, 18 months old, and weighing 51 stones.

French agriculturists are derided upon, and becoming somewhat distracted about, the question of free trade versus protection. In certain regions of France, the price of wheat varies from 18 to 22 francs, consequently it no longer pays to cultivate grain at this price. It is also a truth, that striking a tax on American corn—for the States supply two-thirds of that imported, will not remedy the evil, for foreign grain, owing to expenses of production, etc., being less, could still successfully compete with home growers: Also, American, is superior in quality, to French wheat, and if a tax was levied, the consumer would have to pay dearer for his bread, and the proceeds of the import would go, not into the pockets of farmers, but into the coffers of the State. If the culture of wheat does not pay, farmers must try the production of meat, but above all, pursue more advanced systems of tillage, notably the use of commercial manures, irrigations, and the employ of machinery; the latter is more than ever necessary at present, when the rural population tends to immigrate to the manufacturing centres, attracted by higher wages. France has not much more than commenced to lay in her necessary supply of agricultural implements. In order to encourage the extended use of machinery, regional workshops, with able mechanics are to be organized, to be ready to execute repairs.

GREEN FORAGE, ETC.

M. Goffart, the discoverer of conserved green forage for stock, is in the habit of publishing annually a statement of his experiences; this year his remarks are not less valuable, because they are an exception to an uninterrupted success; the system has not been at fault, the plan has suffered from bad weather and questionable seed maize. His neighbors were not more fortunate. While 40 tuns per acre of green maize were yielded, in some cases not 12 were obtained. This latter return is simply ruinous when the heavy expenses of tillage and manures are borne in mind. The choicest seed maize comes from Nicaragua; but it never arrives in time, and is injured generally by the weevil; New York next supplies the best seed, provided it be transported in barrels, to avoid heating; failing both, the ordinary horse tooth maize is to be preferred. There is no longer a question, that the best method to preserve, as well as, to employ the forage, is to cut it before treading it into the trench or pit. A machine worked by hand, is not to be thought of; a cutter driven by two horses ought to chaff the green maize at a cost of 6 sous per cent., while an engine will do the work for two-thirds less. It has been ascertained, that the trench eight feet wide, and covered with earth, will lose 20 per cent. of its contents, while the loss will be only nominal, if the trench be made double the width. Another point to be noted, there is a growing disposition among farmers to employ nothing but this trench forage all the year round. Generally one man, at 2½ francs per day wages, is allowed to care 12 head of cattle, fed on beet, turnips, hay, etc., to cut the roots and provender. M. Goffart requires only two men, at the same rate of wages, to care 80 head of stock fed on the pit-rations.

[CONTINUED IN OUR NEXT.]

THE SYDNEY EXHITION.

The Exhibition Commission has before it two applications for permission to make captive balloon ascents—that from M. Voigt, mentioned some days ago, and one from M. Saint-Martin, who made the original application to the Agricultural Society. Besides these, the Executive Commissioner has received copies of French and English illustrated papers, giving with views and drawings, full particulars in reference to the captive balloon actually used at the Paris Exhibition by M. Giffard. With this balloon a number of scientific experiments were made, and it was also employed by the medical faculty for the purpose of noting the effects of the pressure of air in various diseases. About two acres of space would be required for it in order to provide accommodation for spectators and for the engine that is used to make the gas. The subject is at present under the consideration of one of the committees. In order to give some idea of the extent and magnitude of the preparation being made by the mother country for our Exhibition, and the number of demands for room which the Executive Commissioner is straining every nerve to meet, it may be interesting to note the amount of space that was occupied by Great Britain and Ireland in the different buildings at the Philadelphia Exhibition, viz.,—Great Britain and Ireland (floor space), main floor, 54,155; carriage annexe, 4,130; horticultural hall, 1,050; agricultural hall, including all colonies but Canada, 12,223—71,559. There was an additional outdoor space of 8,000 feet in the horticultural grounds, occupied by England. The space actuallp allotted to Great Britain, by our London Commission, is 110,000 feet, or about 40,000 feet more than was occupied in Philadelphia, and the greatness of these demands for accommodation will necessitate that every available foot in the grounds should be turned to use. According to the report of Sir Herbert Sandford, the British Executive Commissioner, the space occupied by Great Britain and Ireland, India, Dominion of Canada, and the Australasian and all other British colonies, was 194,381 square feet on floor and grounds, being one-seventh of the total amount of the occupied space of 1,352,027 feet in and belonging to all the buildings within the Exhibition grounds, Fairmount Park, Philadelphia. No official reply from India has yet been received, but circulars letters were by last mail dispatched to Bengal, Bombay, Madras, and Ceylon.—*Sydney Morning Herald.*

WASHINGTON.

From our Specia' Correspondent

WASHINGTON, D. C., April 21, 1879.

The President has issued another edition of his civil service reform creed, varying again somewhat from any of his former announcements. It was contained in a free talk with a friend, and I violate no confidence in reporting it, "many persons appear to misunderstand me," said the President, "in the matter of my civil service appointments. By saying that a faithful officer should not be disturbed in his tenure, I mean just what the word tenure means, namely, his title to his office for the term his commission covers nothing more and nothing less. A postmaster, for example, who has held an office for one term is naturally supposed to be qualified for another, and if his support for the succession is nearly unanimous, he should have it. But it should be nearly unanimous as the first requirement. If he has not served with such acceptance as to command the solid support of his townspeople, a new man, even with less support, has an equal claim upon the office. Indeed, in some respects, he has a stronger claim, since the influence of the office holder is sufficient in most cases to give him a preponderance of support where qualifications are only equal." This was intended to explain some late appointments which had caused some surprise to his friends. The President displayed considerable feeling as the criticisms that had passed upon him, and declared that he would no longer be dictated to by Senators and members.

Capt. Jas. B. Eads has published an open letter here to the Editor of the *Cincinnati Commercial*, one of the most unscrupulous of his assailants, in which he presents an array of facts to prove the substantial success of his work at the mouth of the Mississippi. All his statements are borne out by the official reports, but the Captain is naturally annoyed at the yelping of certain newspapers, whose advice was not taken in that great scientific work, or whose friends were not allowed to have a part of the contracts. The Government officers are satisfied with the jetties, and are astonished that these assaults should be kept up on a faithful and conscientious public servant, as Capt. Eads is acknowledged by all fair men to be.

The bad practice of changing the language of debates in Congress before they appear in the *Record* was again exposed Saturday in the House. In his speech in favor of the repealing or political cause in the appropriation bill Mr. Blackburn said without qualification that he was for never calling a halt until they had repealed every vestige of Republican war legislation. Whether he meant it or not, some of his friends suggested that the expression would be interpreted to mean wiping out the Constitutional amendments and all. Mr. Blackburn thereupon wrote on a slip of paper a qualification of the sentence so that it should read "every vestige of war legislation that was intended to abridge the liberty of the citizen." This was eminently conservative and quite different from the speech, and the thing was brought forward to plague him Saturday. Mr. Blackburn, however, protested that he should not be interpreted as an extreme man, since what he most desires is to drop sectional issues. Mr. Frye insisted that he must be interpreted as his own friends dictated, and read extracts from a Mississippi paper commending Mr. Blackburn for the very remark which he had qualified. There is still a good deal of difference of opinion as to the length and character of this session touching matters of general legislation. Senator Blaine, and in fact nearly all the Republican leaders, and many Eastern Democrats predict an adjournment by May 15th, but it is possible that their wish is father to the thought. The Greenbackers, probably a majority of Democrats, and some Republicans favor a longer session and general legislation, and so predict.

MERRILL.

AMERICAN WHEAT IN SPAIN.

[The new opening for our American wheat shows what can be done when we have shipping of our own. The *American Agriculturist* of February gives the following item of importance, the price realized is a shade over $3.00 the cental, this would leave a good profit.—ED. F.]

The first cargo of American wheat was landed in Barcelona, Spain, about November 15, and created quite a sensation among the dealers. Previously most of the wheat handled at that market has been Black Sea and Hungarian, but the American was judged to be equal to the best grades of those varieties, and this cargo has called for about 25 cargoes more. The amount of the shipment was 72,000 bushels, the price obtained $3.70 per 120 pounds, and the cost of the freight was $18,000. The only unwelcome feature of this item of news is that the grain was carried in a British steamer, and that the cargoes further bargained for are to be carried in British vessels. We have at present no direct steam communication with the ports of the Mediterranean. Not until American steamship lines are established to all prominent foreign markets can we hope for the best returns from the sale of the products of our farms, mines and factories.

Home Correspondence.

NOTES FROM SAN DIEGO COUNTY.

SAN DIEGO, April 28, 1879.

COL. WARREN—*Dear Sir:*

Some months have elapsed since writing to you on the current topics of this portion of southern California; in this short article I will condense matters treated on as much as possible.

OUR PROSPECT FOR CROPS

Are not as flattering as to grain, as at this time one year ago—by enquiry and observation I find our farmers depend too much on *Providence* and as little labor as possible in putting in crops, by this I do not mean to say our farmers as a class are guilty in this particular, but a great many are. In this county, to-day, where land has been properly plowed to a sufficient depth, I could show you, notwithstanding our light rains, a promise of good paying crops.

POTATO AND HONEY CROP.

The first will be medium, say 500 tons from the county, this is of the early varieties; would have been 1000 tons if we had been blessed with two inches more rain; the late varieties will make say 250 tons, making in all a fair yield for the number of acres devoted to this article of our production.

HONEY CROP FOR 1879.

From what information I can derive up to this date, we shall fall short by at least one-third and possible one-half of our production for the year 1878, which was near 1050 tons, this is owing to lack of moisture late in the spring to perfect the many plants and flowers depended on for bee feed. I trust my figures given in this connection may turn out rather below the quantity that will be exported.

NEW MARKETS FOR HONEY.

The well known and enterprising gentlemen composing the firm of Messrs. Steiner, Klauber & Co., of this city, in addition to their large mercantile business, conceived the idea of opening up a market for our honey in Germany, by shipping to that country in November, 1878, about 700 barrels, each barrel containing 250 pounds nett, I can not state positively, but I am almost certain the venture was equal to their expectations, by the way this firm, owing to increased business, are having erected for their business purposes, a magnificent brick building with a large warehouse attached that will be better suited to their wishes as to what a business house, such as theirs, should be—when completed no doubt it will be the finest mercantile building in southern California.

MINOR TOPICS.

Notwithstanding the cry of hard times, our city in business matters is advancing, within the next 30 days two gentlemen from the East, captured by our superb climate and business outlook will launch out in mercantile pursuit in this town—I trust their most sanguine hopes will be realized.

THE DAILY PAPERS PROSPEROUS.

It surely must be financially comforting to the publishers of our two daily papers to find their columns so well filled with paying advertisements. The *San Diego News* owned and edited by J. M. Julian, Esq., and Mrs. Kate S. Baker, is particular noticeable for its very full reports of local news as well as general family reading, it merits success and I think is receiving large additions to its list of subscribers.

JNO. C. DALY.

Unselfishness of Farmers.

The Springfield *Republican* calls attention to a trait of farmers in which, it thinks, they differ, as regards each other, from the members of any other guild. "Each man is eager to show his neighbor any new discovery or acquisition which he has possessed himself of that is likely to help on the business of farming. If he thinks he has a 'good thing' he wants others to know about it, whether it be the result of some successful experiment in raising a crop, an improved breed of cattle, or variety of vegetable, or a package of superior seed which has come from a distance. Apparently he does not for a moment entertain the idea that it would be to his profit to keep such knowledge or specimens to himself. And if another farmer comes to see him, he is pleased to show all his possessions, and there are no corners of the place by which the visitor is hurried because some experimenting is going on there which the owner does not care to be seen, as is often the case when the visitor makes the grand rounds of a factory. Contrast this habit of the farmers with the way that neighboring merchants and manufacturers do their business. Why, when it was first proposed to connect the paper mills in Holyoke with their offices in this city by telephone, objection was at once raised that the paper-makers might possibly learn each other's secrets as a consequence."

["Knowledge begets knowledge"—"they that sow shall reap," the "liberal mind deviseth liberal things and by liberal things they shall stand," all jealousy like that named is to be regretted, generous aid will always bring a good reward, which the selfish reap not.—ED F.]

OUR STATE FAIR.

The *State Ag. Society's Fairs* should not be confined to one county, but go from county to county annually, and thus give every section of the State an opportunity to enjoy its benefits and make exhibitions of the products of each county which is not done now, and never will be until our AGRICULTURAL BOARD hold their Fairs in each of the counties where the many and various products of the State are found; and thus give each section of the State a fair chance to be fully represented, and to have a just share of the benefits that would result therefrom, for they are entitled to a share of the bounty given by the State to the Agricultural Cause.

It is said that this cannot be done because there are not the needed Hotel accomodations for the great masses of our farmers that would desire to attend.

We hold however we do not absolutely *need* larger *hotel accomodations*, the people from the country can provide for themselves, and they can attend and enjoy the Fair at a greatly reduced cost from all former years, by the plan we have proposed several times in past years.

Call the STATE FAIR at Oakland for example, and our plan would be for every farmer who desires to attend with his family instead of going to a hotel and subjecting himself to a large expense, let him provide himself with a neat and pretty TENT, costing $10 or $15 that would hold his whole family; then prepare all the needed eatables for a week, and thus the expense would not be *one-fourth* of the ordinary cost of a hotel, and with much more real quiet and comfort, nor would this take away trade from Hotels that would always be full by those who prefer, while many thousands would go that do not go now, on account of the expense, that "tenting out" would save.

What a grand display could be made upon suitable grounds where 500 or a thousand families should assemble, *all dwelling in tents*, each county set by themselves, with a tall banner naming the *county*, and a State Flag for the centre -with the counties arranged around it classified, visitors could then find their friends from any county and thus have a grand social gathering for a State Fair free from the crowd, jam and commotion usually had at hotels.

We have advocated this plan for many years, and every year it is more and more needed if we would have our State Fair accomplish the good that could be attained, but never will it be till our State Ag. Society shall go from county to county the same as the great States of New York, Illinois, Ohio and others.

Our summers and autumns are blessed with seasons *free* from storms and rains during Fair times, so that the people could enjoy the "tenting out" better than any other State in the Union.

Summer parties are now enjoying such seasons, we therefore say, Why not have our AGRICULTURAL FAIRS thus planned to *save expense?* while the people shall dwell upon the "tented field" and enjoy life, health and pleasure at but little cost.

The material for such enjoyments are a trifle, tents cost but little and will last for years.

We hope the friends that wish to see our State Ag. Fair held in the different counties will respond to this proposition.

THIN SEEDING OF WHEAT.

A. J. Scoggins of Lemoor, Tulare county, planted on the 12th of March, one pound of wheat of the Champlain variety. It was planted in rows twelve inches apart one way, and eight inches the other. No after cultivation was given. On the 15th of July the wheat was harvested, and the yield found to be 791 pounds. The soil was sandy loam, eighteen feet deep. It was not underdrained, and no fertilizer was used. The land was plowed twice before the wheat was put in. When the wheat was threshed, Mr. Scoggins says it weighed 805 pounds, but as he wished to see it weighed again before making his affidavit to the yield, he found that one of the sacks had been torn by a loose horse, and a part of the contents wasted. If the saving had been very close, Mr. S. adds: "we would have had 1,000 pounds; but we Californians don't gather wheat one straw at a time."

This wheat was grown in competition for prizes offered by a seed firm in New York. There were several competitors in California, most of whom got very creditable results. All of them planted in drills, one kernel in a place, and the kernels from four to eight inches apart. Many of the plats were cultivated. A. J. Hickerson of Plumas county, planted one pound of Defiance wheat on one sixty-fourth of an acre and harvested therefrom 316 pounds, or at the rate of nearly 340 bushels per acre.

The first prize, Defiance wheat, was grown by J. Brakefield, Avon, Minn., and the yield from one pound of seed was 528 pounds. Mr. Brakefield also won the second prize for the greatest yield of Champlain wheat, the same being 484 pounds from one pound of seed.—*Chicago Farmer's Review.*

A special bargain will be offered in the splendid new pattern Farm Wagons and Buggies now on exhibition and sale at the agricultural warehouse of G. A. Davis, 327 Market Street, S. F.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have GRAIN to sell and to keep.

HOW WE SAVED THE OLD FARM.

CHAPTER VI.

As my purpose is to tell you of our farm and its management, rather than to dwell upon other topics, I will not pause to describe the congregation nor the sermon, though as the venerable pastor made appropriate reference to our sudden bereavement, and prayed that we might be led to place our trust in "Him who is the God of the widow and the fatherless," it made an impression upon my mind which had been made by no religious service before, and which has never been obliterated. Many came up to tender their sympathy to my mother, some of whom we had previously looked upon as strange, but if they could have known that all the time I was more in the mood for giving thanks for escaping the prospect of Blackington, with its real and imaginary horrors, I fear that I should have obtained but little sympathy there.

With Monday morning came a snow-storm, which, for some days, put a stop to work out of doors, but Clarence was busy fixing up little household conveniences. Little shelves were made and put into almost every imaginable place, which were afterward found to be most handy; hanging-shelves were securely put in the cellar, buttons were fixed on doors in the house and on the other buildings, wood and slabs were cut and neatly piled in the wood-house, tools were mended, old Charley's harness was brought in, washed, stitched, and oiled as it never was before, and I know not what would have been done if the weather had not at last come so that they could begin on the hen-house again. At last it cleared up and they were able to work there, and the first day I was invited to help put hay into the walls, as we did at the barn. It was my first inspection of the new building, and I was glad to satisfy my curiosity in regard to it. It was twelve feet wide and twenty-four feet long, five feet high at the back-side and about nine on the front, facing the south. The sides were covered with the twelve-foot slabs from the mill, excepting where spaces had been left for doors and windows. The roof was made of some of the old boards which came from Mr. Giles's, and the cracks in the roof were carefully battened, as Clarence called it, with other boards or slabs, so that but very little rain could come through. Ned and I were set to lining the walls by nailing slabs to the posts upon the inside and stuffing hay between them and the outside, while Clarence went at the more difficult job of fixing in the windows and the door, at which he was soon assisted by Bill Giles, who sauntered up with his hands in his pockets, and at first showed Clarence how to do the work, and then soon after threw off his coat with the remark that he "might as well help a little as to stand there and freeze looking on," and was quickly as busy as any of us, and accomplishing much more. I doubt if he would have worked with as good a relish if he had been hired by the day, and feel sure that he would not if he had been working for himself. With his skillful help five whole windows were quickly put into the south side, and a door upon the south at the west corner; then a half-window was put in the east end near the roof, and another opposite to it in the west end, and the building was completed, as I thought. But it was to be furnished, and roosts were made and put across the east end. I wondered why the windows were all crowded toward the door, but Clarence explained that that was the bedroom, and he did not want too much light there. The roosts were only about two and a half feet from the ground, for Clarence said he did not want the hens to have too far to fly down, as if he got Brahma hens, as he meant to, it would hurt them to come down, as they were so heavy. Then rows of nests were made on the back side and west end, one row on the ground and another just above them, giving room for about forty nests. Clarence said the lower row he meant to keep to set the hens in. At Bill's suggestion Ned was sent with the horse to bring up a lot of laths that came out of the old porch, which were of no use to him excepting for kindling-wood, but would do well for nailing on the windows to keep the hens from flying through them, and for making coops which would fasten the hens into the lower nests while setting, or rather, would let them come off to the gravel floor, but keep them from going back on any other nest but their own. While he was gone Bill made a feed-box by building a bench midway of the room and fastening on it a V-shaped trough large enough to hold a bushel of corn, with a narrow crack at the bottom where the corn would rattle down upon the bench. But little could come out before the heap on the bench would stop the crack, and no more could come until the hens had eaten the heap, or a part of it. In the ground he also put a trough for water, with a cover nearly over it, where there was just room for the hens to drink without scattering dirt into their water. I noticed that this was put where the sun shone on it longest, and the cover was made of a broken tin-pan, because Bill said it would warm the water more in the sunshine than if the cover was of wood. The feed-box was put upon the bench, I was told, in order to keep rats from getting at the corn, and to make it more secure, an old tin-pan was nailed, bottom up, upon the top of each leg, under the bench. Before night all was finished, and I was sent to the house to ask mother to come and examine it. I doubt if the architect of any of the magnificent public buildings in this country felt more genuine pride when the committee came to examine and approve his work after it was completed, than did my brother when mother stepped into the building and glanced around.

"Surely," said she, "you have done very well indeed with what you had to work with. But why have you built it so large? It is large enough for an hundred fowl."

"It was just about as easy to make it large as small, for the slabs were just so long, and I hope to have an hundred fowl here next winter, if I have good luck."

"I think Mr. Giles must have helped you a good deal, for it looks more like his work than boy's work."

"Well, ma'am," said Bill, "what I've done hasn't been of much account, and I guess the boys would have figured it out without me, somehow, but I kinder wanted to give them a lift because I know what it is to puzzle over a job that I wasn't just used to, and I may want a lift from them some time, for I have got a little land down there, and I don't know just how to manage, because I was not brought up on a farm. Now, you see, I have been wanting a hen-house myself down there, and I thought I couldn't afford to buy lumber to build it if times was so hard, and those I had lots of it better than this is built, but I didn't know how to use it. But I have enough of it left, and I reckon I will build one for myself now, and the plan of this is worth more than my work, anyway."

"Well, William," said my mother, and I knew by the use of the Christian name that he was at last acknowledged as a neighbor, in the Scriptural meaning of the word, and that his kindness or his praise of her boys had overcome her dislike of his laziness, "I am very sure that you have helped very much, and if we can do anything for you, I hope you will not be afraid to ask it for it, and we will try to be as willing as you have been to help the boys."

"There is a way, ma'am, that you might help me great deal more, but I am a'most afraid to ask such a favor, only you speak so kind, and I know you feel kind. You see my wife was brought up to work in a factory, and she don't know so much about housework as she would if her mother had lived on a farm, though she used to tend a loom as well as any of them; but it was just killing her to work there, and I married her, and now if she could run up here once in a while and get you to show her about how to make such bread and pies and things as you make, and a little about fixing up clothes for herself and the little ones, it would do us a power of good, and I would be willing to do ten times as much as I have done for the boys. Fact is, ma'am, I know I ain't just what I ought to be all the time, but I go home and find victuals spoilt by not being cooked right, and the old woman cross because clothes will wear out, and she don't know how to fix them decent again, and she knows I can't find money to buy new all the time, and she scolds, and then I swear, and likely enough go off to the tavern and make a fool of myself, and that only makes things worse, and I have thought of it a lot since I have been at work here, and seeing how busy these boys were, and pleasant about their work, and how neat and tidy their clothes are, though I'll warrant it does not cost as much to dress all of 'em as it does for clothes for me."

And Bill shifted his feet uneasily and affected to be picking up nails from the ground, as he awaited a reply.

"Certainly William, let her come up any time, and I will show her all I can, and help her about fixing up clothes for herself and the baby, and for you, too, and I may be able to find something that our children have outgrown that will do to make over for them and will piece out."

"Thank you, ma'am, very much. I will tell her, and I warrant she will be as pleased as if I had had another farm left me," and Bill hurried away with a suspicious moisture in his eyes, although he "whistled as he went" a gay dancing tune.

Do not smile, gentle reader, at this changing of works and giving away old clothes. Such friendly acts were the custom of that region, and served to keep alive good feeling among neighbors, who were thus drawn together until neighbors were almost as near as members of one family. After Bill had gone, mother and I went to the house, while the boys proceeded to throw gravel against the outer walls of the building until they had it banked up nearly three feet high on the north, east and west, so as to be still more impervious to cold winds and rain.

During all this time our hens, of which we had about forty, had been giving us a liberal supply of eggs at the old hen-house, and a few days before Ned had announced that the speckled-necked one wanted to set, and Clarence gave orders for her to be left on the nest. To-night he found another setting and told Clarence of it at the supper-table.

"Just what I wanted, and how lucky, just as I was ready for it. I am going to the squire's in the morning to get some of his Brahma eggs. I will carry over two dozen and a half of ours to change with him. They will do just as well for them to cook, and I want the Brahma chickens."

"You do not think of setting hens now, do you, Clarence? They will come off in March, and you cannot raise them in such cold weather."

"I could not in the old hen-house, but in the new one they will be almost as warm as in summer, and early chickens sell for such a great price that I hope it will pay well."

I petitioned for a chance to go with him; but as he said he must walk, for he did not dare to carry the eggs in a wagon over the frozen ground, for fear they would not hatch, and that he should be off by daylight, I did not care to avail myself of the permission which he so readily gave. That very night the nests in the new hen-house were made ready, by hollowing out two of those on the ground, lining them with cut-hay, and sifting a good handful of wood-ashes over them, as Clarence said, "to keep off the lice. Sulphur would be better, but I have not got it, and cannot get it short of the Corners. I think the ashes will do in this new building." Then the hens were brought up there and put on the nests and the nest-eggs put under them and the coops put before them to keep them from wandering away. This was done that they might get settled to their new nests before the precious eggs were put under them. Sure enough, Clarence was off by daylight in the morning, and returned before noon, with his basket of eggs, so little tired with his walk of ten miles that he went immediately at work on the piggery, somewhat to our surprise. But soon after noon one of the men that I had seen at Squire Grey's, at work, drove into the yard with two fine hogs in the team wagon, which he proceeded to unload into the sty, after knocking at the door and handing in a note for mother, which I will insert here that you may see the character of the man:—

STAFFORD, MASS., Feb. 8.

MRS. REYNOLDS:

I have sent over to Clarence two fine young sows, which I have scarcely room for in my piggery. They are both with pig, and I shall expect him to pay me twenty-five dollars for them when he sells the pigs, or I will take them back and pay him a dollar a week for keeping the two until they farrow, and after that a dollar and a half a week for four weeks, if he takes good care of them and feeds them well. They are at my risk until that time, so do not fear his running in debt. I should not have been in such hurry about getting them away, but it might hurt them to move them later. He has told me of his new honnery and his plans in regard to it, and I can pack up five dozen eggs each week and send over, that he may not have another such long walk, and you may send in return the same number of yours. I think I can pack them so they will hatch none the worse for the ride. I have also offered to take his calves when they are dropped, if he will bring them over to me at two days old, and give him in exchange heifer calves from my Alderney cows, full or half-blooded, which he can raise according to his own ideas. The calves from your cows will be worth more to me to raise for veal. The Alderneys are worth much more to make cows of, and I should raise them myself if I had a man that I could trust to take the pains with them that your boys will. Hoping and believing that those will achieve success who so richly deserve it,

I am yours respectfully, JAMES GREY.

I could scarcely realize that we were to have pigs, Jersey calves, and Brahma chickens just as fine as those which I had admired at the squire's; but it was truly so, and yet the squire's letter read almost as if we were doing him a favor in receiving them. As soon as the man had driven away, I hurried out to look at the pigs. There they were, perhaps not much different from hundreds that I had seen, but they were our own, for girl though I was, I was beginning to feel an interest in the out-door management of the farm which I had never felt before. They were yet in the outer yard, for they had no soon followed Clarence home that he had not finished his work on the piggery, but was sawing boards and fitting them in. He had fixed the trough so that he could shut the pigs away from it while he put in the food for them, and had made a new plank (or slab) walk for them to come up on into the house from the yard, and had made the yard fence strong and tight, and when I asked what more he had to do, replied:

"Don't you see? They must be separated by and by, before they have their pigs, and I may as well get the boards all ready so I can do it at any time in a few minutes. By and by I shall be busy about something else, and shall not want to stop to fix this up. So I will get it all ready now; but I shall let them stay together until almost time for them to have their little pigs and then part them off."

So he had his partition all ready to put in, and then made them a good bed of hay for them and let them in, and made a partition in the yard, all but nailing on two boards which he cut and laid by all ready. He was at some pains to take out a bottom rail which they would have had to step over, as he said it was very bad for them to have any such thing in their way, and he also put rails all around the inside of their sleeping-places about nine inches from the floor, and the same distance from the wall, because, he said, when they had little ones they were apt to lie down against the side of the pen, and when the pigs were small they would get caught between the mother and the board, and in that way get jammed so as to kill them. But if the rails were there the little pig would slip under the rail, and off out of the way, without being hurt. When I asked him how he knew so much about pigs, "By my reading, miss," was the answer I got, "and not because I was brought up amongst them."

And now we were fairly under way with the farming. We were not having much milk, as we were milking only one cow, for one was a heifer that had never had a calf, and the other two were to calve in April and were now dry. The heifer was one that father had traded for, and was not expected to calve until June, while the old cow, which was now giving milk, would calve in May. But we had hens setting in the new hen-house; more at the old one, giving us plenty of eggs, for it was and had been all winter my task to give them corn and oats and scraps of meat and warm water several times a day, and I had carefully attended to it at first, because the egg-money was mother's from which she bought my boots and dresses, as well as her own, and I was desirous that there should be no lack, and since Clarence had taken charge, because I wished to help all I could to save our farm and make it pay.

And so the rest of the month passed without any events of especial importance, and so did most of March. The boys were busy preparing wood for the next year's use in stormy weather, while, when it was pleasant enough, they threw over the manure which was in the barn-yard into a large heap, that, as Clarence said, it might heat and get better fitted for use. He was so eager to increase the size of that heap that he cleaned up all the accumulation of the chip dirt in the wood-house and around the woodpile out of doors, and added to it, and the dirt in the lane-way, for almost a foot deep was scraped up and put in with the rest; but I own I was hardly prepared, on going to call him to dinner one day to find that he had taken up the floor of the cow stable, and was throwing out the dirt from underneath, which Ned was wheeling to the heap.

"You see, sis," he said, "this has been under here for forty years, and lots of stuff has soaked through the floor cracks into it and in from the outside, and it is just as rich as it can be, and I am going to take it all out and fill it up with dry sand out of the sand-hill, and then get Bill Giles to help me put in some new sticks here and lay a new floor. This has got so rotten in some places that I am afraid it will break through and some of the cattle will get a broken leg, which will be a bad job for us. And that hole outside I shall fill up with sand or loam, so as not to have a mud-hole full of dirty water there all summer, as there has been every summer since I can remember."

[TO BE CONTINUED.]

Gapes in Chickens.

[The *Country Gentleman* gives the following good article upon gapes in chickens and the remedy.—ED. F.]

I have seen of late, many articles to the effect that gapes in chickens could not be cured. The gapes are produced by small worms about one inch long, in the windpipe.

To get rid of them, get a half pint bottle or any other that is convenient, fill it with kerosene, and place it where you can get it easily. Then get a small feather from the wing of a grown fowl, strip the feather from a quill, all but a little on the small end, put it into the oil and leave it there until you have your chicken ready. Hold him in your left hand with his head between the forefinger and thumb, press them gently together, and you have him with his bill wide open. Then take the feather which has become well saturated with the kerosene, and being careful to insert it into the windpipe, and not the throat, push it gently down the pipe until you are sure of reaching the bottom. Twist it around once or twice, and pull out quick. I have brought three worms at a time in this way, and if any remain, the chicken will soon throw them out, as the kerosene kills what remains.

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Milling, Mining, and BUILDING MATERIAL,

RAILWAY SUPPLIES.

COR. BUSH AND MARKET STREETS, SAN FRANCISCO.

No. 52, 54, 56, 58, K STREET, SACRAMENTO.

N. ASHTON & SON'S

Liverpool Fine Salt.

IN UNIVERSAL USE THROUGHOUT THE EASTERN and Western States, and acknowledged far superior to any other brand of factory-filled salt.

Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March:

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory-filled salt; therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $13; for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams; and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"

For sale by

WILLIAMS, BLANCHARD & CO.,

218 CALIFORNIA STREET,

48 10 Sole Agents for Pacific Coast.

J. M. NEVILLE. G. H. BRYANT.

NEVILLE & CO.,

Bag, Tent and Hose Factory

33 CALIFORNIA STREET,

South-East Corner of Davis Street,

San Francisco,

(Removed from their old place, 113 Clay Street, to their new and enlarged accommodations.)

IMPORTERS, MANUFACTURERS, AND DEALERS IN ALL KINDS OF

Bags, Burlaps, Duck,

Canvas and Cottons.

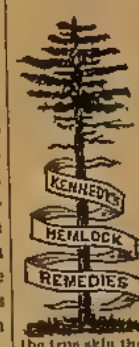
SCAB AND TICKS

IN SHEEP.

S. H. KENNEDY'S

NON POISONOUS

SHEEP DIP!



Manufactured by

S. H KENNEDY, Omaha, Nebraska, eradicates the pest. This is the only dip that adds to the staple and value of the wool. It will cure the most obstinate cases—diluted 150 parts hot water, and will not cost A CENT A HEAD each dipping. Packed in ONE and FIVE GALLON TIN CANS.

Dip Scabby Sheep in the Early Spring and Summer as that is the time to eradicate the disease from the skin. Fall and Winter dipping will not cure the Scab, it only holds the disease in check, in the Fall and Winter months, the insect that causes the Scab is forcing his way so deep into the true skin that he cannot be reached or destroyed, while in the early Spring the insect comes to the surface of the skin and is easily eradicated by one or two dippings in my Sheep Dip.

Price per Gallon:

TOBACCO DIP.....$2 75
HEMLOCK DIP..... 2 25
NON-POISONOUS DIP..... 2 25

BOOK SENT FREE TO SHEEP GROWERS,

Address,

S. H. KENNEDY,
OMAHA, NEBRASKA.

Kennard & Forsyth,
Wholesale Druggists and Gen'l Agents,
OMAHA, NEB.

J. McCRAKEN & CO.,
PORTLAND, OREGON.

JAMES MOORE & CO.,
SAN FRANCISCO.

Agents who Sell at Manufacturer's Prices.

40 1

VALUABLE

FARMS FOR SALE.

Valuable Farms in the sunny lands of San Diego County

Those families who desire to leave the cold wintry region of the north and come to a better climate—are invited to the following Farms we offer at good bargains:—

One Farm of 1,500 acres, undivided, can have a great chance to buy this Farm.

One of 320 acres, of rich land of the very best soil, running water, and generally low land, capable of growing any crop wanted, a portion fenced, with fruit trees and vines now bearing.

One Farm of 160 acres of most excellent soil, capable of raising all Tropical Fruits in the greatest luxuriance.

All these Farms are in the Bee-region—and suitable for this interest—all sold on easy terms. For particulars address

STEINER, KLAUBER & CO.,
San Diego City, Cal. 49 2

Or CALIFORNIA FARMER Office, 320 Clay Street.

$66 a week in your own town. $5 Outfit free. No risk. Reader, if you want a business at which persons of either sex can make great pay all the time they work, write to particulars, to H. HALLETT & Co., Portland, Maine. 47 2

THE RANDALL

Pulverizing Harrow.

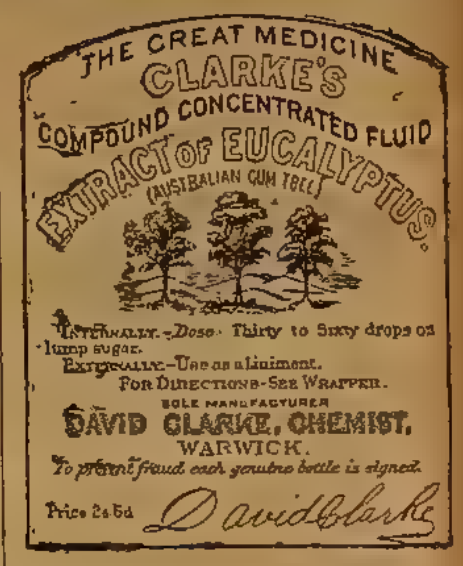
UNEQUALLED FOR CROSS PLOWING.

Over 10,000 in Use.

Local agents wanted free on application. Descriptive circulars and price list

Griffith & Burke,
Yolo, Yolo County, Cal.
48:22

The Great Medicine!!



We have appointed for the sale of this Medicine advertised our columns the following

AGENTS:

A. M. COLE,
APOTHECARY AND DRUGGIST,
GEN'L AGENT FOR STATE OF NEVADA.

H. BOWMAN,
APOTHECARY AND DRUGGIST,
AGENT FOR OAKLAND.

RHODES & LEWIS,
APOTHECARY AND DRUGGISTS,
AGENT FOR SAN JOSE.

M. J. DOLYE & CO.,
POST OFFICE,
AGENTS FOR MENLO PARK.

J. W. JONES,
DRUGGIST,
AGENT FOR BENECIA.

DR. E. S. HOLDEN,
DRUGGIST,
AGENT FOR STOCKTON.

HODGE, DAVIS & CO.,
DRUGGISTS,
AGENTS FOR PORTLAND, OREGON.

DR. D. L. MORSE,
DRUGGIST,
SAN MATEO.

DR. L. H. CUTLER,
DRUGGIST,
LIVERMORE.

JOHN WOLFE,
DRUGGIST,
AGENT FOR SAN RAFAEL.

GODBE, PITTS & CO.,
DRUGGISTS,
SALT LAKE CITY, UTAH.

J. WIDNEY,
MERCHANT,
SANTA CLARA.

The Remarkable Cures which have been effected by Wonderful Remedials, known as CLARKE'S EUCALYPTUS REMEDIES from Australia, have, and are exciting a great influence among all those who have long been sufferers by those terrible scourges of suffering, RHEUMATISM, NEURALGIA, DYSPEPSIA, and FEVER AND AGUE.

These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.

Be sure you ask your Apothecary for the true Medicine, DAVID CLARKE'S EUCALYPTUS PREPARATIONS The only Genuine article.

WARREN & CO.,

SOLE AGENTS FOR THE UNITED STATES.

LAND PLASTER.

THE GREAT FERTILIZER.

This most excellent material for all Clovers and Grasses can now be had of the undersigned at the low price of

$12.50 per Ton.

Also—Building Plaster, Casting Plaster, and Terra Alba

For Sale by

LUCAS & COMPANY,
215 and 217 MAIN STREET,
Bet. Howard and Folsom,
San Francisco.

Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

MAY, 1879.

[*Vick's Magazine* that always has so many beautiful things in it, this preaches of May, a sermon and a lesson with good word.—Ed. F.]

Few appreciate the blessings they enjoy, and the old saying, that men only learn the value of blessings by their loss, is more truthful than many old saws. Those who live in cities look upon the country as the home of comfort, and even luxury; they believe the atmosphere is perfumed with odors from a thousand flowers, while the meadows and groves, and lanes are redolent with health, and flooded with milk and honey. They receive the quart of milk and water, if nothing worse, dished out every morning by the milkman, in a tin measure, and, while they look upon its azure surface, think of the country and its rich, golden cream; while the poor quart of ripe and unripe strawberries, jammed out of all resemblance to the fruit of the strawberry plant, reminds them of the large, luscious berries, almost too much for a mouthful, eaten in early days in the country, and they feel sad, and think truly that God made the country, but the city is man's unhappy work, and sigh for the fine fruits and fresh vegetables and the breezy lawns and shady woods, and the health and vigor of former days, and resolve that when a few more dollars are gathered, with a few more gray hairs, they will flie away to the country, there to enjoy in repose the evening of life and gently await the setting sun.

The dweller in the country, however seldom appreciates or enjoys the blessings and luxuries that are attainable, and almost without money or price. He may have corn, and pork, and beef, and mutton, and potatoes, and bread from the fields, and the commonest laborer in the cities obtain these; but the real luxuries of life come not from the broad acres, but from the little garden patch—the acre or so that furnishes the raspberries, strawberries, currants, plums and pears, and asparagus, beans, peas cauliflower, celery, and many other delicate thing that not only pay, but give health and comfort. It is just this little piece of ground that makes all the difference between very ordinary and very luxurious living, and that, we think, while adding much to the pleasure, will subtract a good deal from doctor's bills. So we thought it well at this spring season to call the attention of our readers to the subject, with such suggestions as were likely to be most needed, instead of responding to a few inquiries, which are now before us, in the usual manner.

EXPERIENCE IN FRUIT RAISING.

Dr. E. W. Sylvester, of Lyons, N. Y., read a paper on "Fruit-growing" at the fair held at Elmira last fall, in which he said he bought his farm of one hundred acres, twenty-six years ago and planted out the first year 1,100 fruit trees. During the last ten years the average money received each year exceeds the purchase money paid for the farm and buildings; or, in other words, the fruit has paid the original cost of the farm ten times over in as many years. Croakers said at first he would never live to eat the fruit of the trees he planted, or, if he did, apples would not be worth over fifty cents a barrel. But he had lived long enough to gather a thousand barrels in a season; to make sales of pears at $15 and $16 per barrel and apples at $4 to $10 per barrel; the average apple rate for the last twenty years having been $2 25 per barrel. With labor and other expenses as at present, apples at one dollar per barrel will pay better than most farm products. The export demand for fruit is yearly increasing. Last year 396,000 barrels of apples went abroad, and this year it is likely to exceed half a million. There were 14,818,052 pounds of dried fruit exported, and there was also a million dollars worth of canned fruit. The doctor fully believes that fruit-growing has paid, does pay, and will pay all the way down to the millenium, and then folks will live on fruit altogether.

[We feel sure that the cause of the great success of Dr. Sylvester was the simple fact that what he did, he did well, cultivated well, pruned well, planted the choicest kinds of fruit, and sent only the best to market, that's the true way—more than forty years ago, we, ourselves were shippers of apples to London by steamer, every apple picked by hand, carefully packed in papers, barrels paper lined, and then, though paying high freight, by steamer from Boston to Liverpool, we received two guineas per barrel—that paid.—Ed. F.]

A Magnificent Estate.

A large and very fine estate of some FOUR HUNDRED ACRES with a fine Orchard of the very choicest fruit; a large Vineyard, very productive; a large number of Fig Trees, great bearers

ORANGE, LEMON, OLIVE, and choice EXOTIC FRUITS of all kind.

This estate is located in one of the "Beauty Spots" of our State, a retreat, healthy and delightful spot:

This estate will be sold at a great bargain by reason of declining health of the present owner.

Particulars can be had from EDITOR FARMER.

MESS. M. PETTENGILL & Co., 37 Park Row New York, 10 State Street, Boston, and 701 Chest nut Street, Philadelphia, are our Agents for SUBSCRIPTIONS to THE CALIFORNIA FARMER in the above cities, and also our AUTHORIZED AGENTS to contract for ADVERTISING at our lowest rates.

WARREN & CO.

AN ENEMY AMONGST THE ORANGES.

WITHCOTT, near Toowoomba, February 20.

Enclosed you will find a few specimens of a fly which is making sad havoc amongst the oranges at the present time. I spent the whole of yesterday capturing them, and watching their mode of procedure, namely:—They fly straight to the orange and insert that spike they have behind, and deposit a number of eggs under the skin of the orange to the depth of one eighth of an inch; a little gum then exudes from the hole, and completely seals it up until the eggs are hatched, which soon takes place, and in the form of maggots they work their way into the orange, and soon destroy the juice and cause the fruit to become yellow and fall off. Up to the present time I have done my best to stop this pest from multiplying, for all the fruit that drops off I destroy by fire, and any I see affected on the trees I take the point of my penknife and cut a piece out about the size of a pea, not penetrating the pulp, and in most cases I find from thirty to forty eggs embedded in the skin. I find they do not interfere with the mandarin oranges; I suppose the skin is too thin for their purpose. Within the last ten days these pests have destroyed more than the half of my crop, and I looking for that moth of which I have read so much for the last three years that I have been a subscriber to the *Queenslander*. I like the spade better than the pen, but I considered it was my duty to put others on their guard and destroy this pest at once if possible. If you have done so before, will you kindly describe this fly to the public? and oblige—Yours, &c.,

HENRY L. PENTECOST.

[The fly is identical with that which attacks peaches during August and September. It is a black fly three-eighths of an inch long, with shiny bright wings, and has two bright bars upon the body.—Ed. *Q.*]

[Will the orange growers of California keep a sharp look out for this insect and let us know if our trees are troubled with it.—Ed. F.]

Why Flowers Turn to the Sun.

Wiesner has presented to the Vienna Academy a monograph upon heliotropism and geotropism in plants. After a historical sketch, the author treats of the influence of heliotropism, and shows that with decreasing intensity of light the strength of the heliotropic effect increases to a certain point, and beyond this point decreases. The lower limit of light intensity coincides with the lower limit of heliotropic effect for the stoppage of growth in length, while the upper limit does not coincide, or only occasionally coincides, with the upper limit of heliotropic effect for growth in length. In the case of very sensitive heliotropic plants, the upper limit of light intensity for stoppage of growth in length lies higher, and in less sensitive plants lower, than the upper limit for growth in length. He next considers the relation between the refrangibility of rays and their heliotropic effect, and shows that portions of very sensitive heliotropic plants, as *Vicia sativa*, curve in all lights, even in the ultra-red and ultra-violet, except the yellow. Experiments on the joint action of heliotropism and geotropism are next described, and the author concludes that the phenomenon of heliotropism is due to unequal growth upon unequally lighted sides of the plant.—EDITOR'S SCIENTIFIC RECORD, in *Harper's Magazine for May*.

Hyacinth in its wild state is generally blue, sometimes pink, and of course is never double. All the cultivated varieties have sprung from the wild hyacinth in Asia, near Aleppos and Bagdad. The precise time of its introduction to cultivate is unknown, but according to the best records it must have been before 1596. Until the beginning of the present century white, blue, and pink were the only colors known, but now there is no color or shade of which we cannot find hyacinths.

SPLENDID

WEEPING TREES.

It may not be known generally that by the aid of science, all the finest kinds of our DECIDUOUS TREES, used for Ornamenting Grounds can now be had grown in the beautiful pendant form, graceful as the Weeping Willow.

The following, of very extra size and form, can now be had for planting this Autumn.

The WEEPING BEECH, MAPLE, BIRCH, ASH, ELM, POPLAR and LINDEN these are the most beautiful Ornamental Trees known, adding grace and beauty to the surroundings of every home and increasing the value of every estate where they are planted.

The plates and drawing, showing these trees in their growing condition, can be seen and these trees secured on applying to

Warren & Co.,
320 CLAY STREET, S. F.

NURSERYMEN AND FLORISTS ABROAD

Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurserymen, especially, who have NEW and RARE kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our JOURNAL circulates there to a large extent.

This is the season when Nurserymen should make known what they have for sale.

Warren & Co.,
PROPRIETORS CALIFORNIA FARMER.

SANTA CLARA VALLEY

Nurseries.

ESTABLISHED 1853.

Trees---Plants---Shrubs.

I OFFER FOR SALE THIS SEASON A LARGE AND well assorted stock of Fruit Trees, Shade Trees, Evergreens, and Shrubs; also, Palms, Camellias, Azaleas, Japan Persimmons, Roses and Greenhouse Plants in great variety.

PEAR SEEDLINGS, fine	$15.00 per 1000
ROSES, in variety, fine	15.00 per 100
JAPAN PERSIMMON, 5 varieties	25.00 " "
MAGNOLIA, grandiflora, 6x10 in.	18.00 " "
LAURISTINUS, 6x10 in	10.00 " "
CHINESE MAGNOLIAS, 2 ft.	8.00 per doz.

Special Inducements to large purchasers.

Catalogues free on application.

BERNARD S. FOX, Proprietor,
San Jose, Cal.

Thomas Meherin, Agent,
516 Battery Street,
SAN FRANCISCO.

48:24 3m

BOOKS FOR FARMERS!

BOOKS FOR FARMERS' LIBRARIES
AGRICULTURE,
HORTICULTURE,
FLORICULTURE,
STOCK RAISING,
BEE RAISING,
POULTRY GROWING.

With many valuable and interesting works on all branches of each of these important Industries.

For sale at lowest rates at
FARMER OFFICE,
320 CLAY STREET.

THE DINGEE & CONARD CO'S
BEAUTIFUL EVER-BLOOMING
ROSES

We deliver STRONG POT ROSES for Winter Bloom and Fall Planting, *safely by mail*, at all post-offices. Five Splendid Varieties, *your choice*, all labeled, for $1; 12 for $2; 19 for $3; 26 for $4; 35 for $5; 75 for $10; 100 for $15. Send for our New Guide to Rose Culture, and *choose from over* 500 Finest Sorts. Our Great Specialty is growing and distributing Roses. THE DINGEE & CONARD CO., Rose-Growers, WEST GROVE, CHESTER Co., Pa.

48:18 6t

Choice Grape Cuttings.

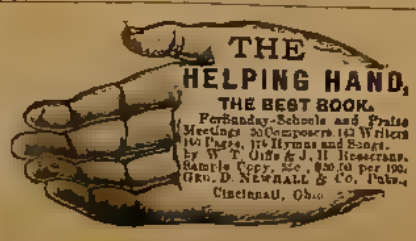
Those who desire to have the choicest quality of the famed

"WHITE CORINTH GRAPE,"
—AND—
"THE ZANTE CURRANT,"

and a few other varieties of rare kinds of grapes—can secure a collection by sending their orders to the

FARMER OFFICE, 320 Clay Street.

N. B.—Only a small lot for sale.



48:2

HEARING RESTORED. Particulars Free. 96 VERRY & HARPER, Madison Ind.

My annual Catalogue of Vegetable and Flower Seed for 1879, rich in engravings, will be ready in January, and sent FREE, to all who apply. Customers of last season need not write for it. I offer one of the largest collections of vegetable seed ever sent out by any seed house in America, a large portion of which were grown on my six seed farms. *Printed directions for cultivation on each package.* All seed warranted *to be both fresh and true to name*; so far, that should it prove otherwise, *I will refill the order gratis.* The original introducer of the Hubbard Squash, Phinney's Melon, Marblehead Cabbages, Mexican Corn, and scores of other vegetables, I invite the patronage of *all who are anxious to have their seed directly from the grower, fresh, true, and of the very best strain.* **New Vegetables a specialty.**

48:21 12t JAMES J. H. GREGORY, Marblehead, Mass.

CHOICE
Vegetable and Flower SEEDS
GROWN FOR PRIVATE FAMILIES, OUR MOTTO:
"TEST IS BETTER THAN TALK."

GARDEN MANUAL, full of valuable articles on growing vegetables, useful hints to lovers of flowers, with price list, sent free to all applicants. Address

J. B. ROOT, SEED GROWER,
ROCKFORD, ILL.

PEARL MILLET
(THE NEW FODDER PLANT.)
Yields 100 tons green = 16 tons dry per acre.
50c. per pint (by mail, postpaid).
$1.00 " quart " "
By express, buyer to pay charges, $5 per peck.
Statement of our experiments with it, and instructions for culture, free on application
PETER HENDERSON & CO.
35 CORTLANDT ST., NEW YORK.

49:2

JOHN SAUL'S
Catalogue of New, Rare and Beautiful Plants

Will be ready in February, with a colored plate. Many new and beautiful plants are offered, among Dracenas, Crotons, and other fine foliage plants, with a rich collection of Greenhouse and Hot-house plants; Bedding Plants; new and choice Roses; Dahlias, etc. Well grown and at low prices. Free to all my customers, to others 10c. A plain copy free.

JOHN SAUL, Washington, D. C.
49:2 eot

Evergreens & Forest Trees.

AT RETAIL TO FARMERS AND PLANTER AT
WHOLESALE PRICES.
LARGE STOCK, GREATEST VARIETY, CHEAPEST AND BEST.
Send Stamp for Price List.
GEORGE PINNEY,
49:1 Sturgeon Bay, Wis.

VEGETABLE AND FLOWER SEEDS
WE SELL EVERYTHING FOR THE
GARDEN
SEEDS PLANTS
Descriptive Catalogues of 175 pages sent Free
PETER HENDERSON & CO.
35 Cortlandt St., New York.
FLOWER AND FRUIT PLANTS

49:1

FARMS, RANCHES
—AND—
LANDED ESTATES FOR SALE.

Now that we have so many settlers of the BETTER-CLASS coming to our State, those who have

Lands, Ranches, Farms,
—AND—
IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms and Libraries in the United States.

Advertisers will be wise that consult our columns.

WARREN & CO.,
CALIFORNIA FARMER OFFICE.

Newspapers for Packing

A LARGE lot of good country newspapers in good order for packing up goods, can be had at reasonable rates, in lots of *One to Five Thousand.*

For Sale at FARMER OFFICE,
320 Clay St., San Francisco.

I can make money faster at work for us than at anything else. Capital not required, we will start you. $12 per day at home made by the industrious. Men, women, boys and girls wanted every where to work for us. Now is the time. Costly outfit and terms free. Address, TRUE & Co., Augusta, Maine. 47:52

25 STYLES OF CARDS, with name in gold, 10 cts. J. B HUSTED, Nassau, N. Y. 47:14 1y

PULLMAN HOTEL DINING CARS

THESE CELEBRATED HOTEL CARS ARE NOW
RUN OVER THE
Chicago and Northwestern Railroad
BETWEEN
COUNCIL BLUFFS AND CHICAGO

No other road now runs or has ever run

Pullman Hotel Cars,
PULLMAN DINING CARS,
Or any other form of hotel, dining or restaurant
BETWEEN OMAHA AND CHICAGO.

Do not be deceived by the false representations of the agents of other lines who tell you they have hotel cars on their lines west of Chicago. It is not true. No road west of Chicago has them except

THE CHICAGO AND NORTHWESTERN.

PASSENGERS for Chicago, Niagara Falls, Pittsburg Philadelphia, Montreal, Quebec, New York Boston, or any point East,

Should Buy their Trans-continental Tickets
—BY THIS—
Pullman Hotel Car Line.

Close connections are made at Chicago with the Lake Shore & Michigan Southern, Michigan Central, Baltimore Ohio, Pittsburg, Ft. Wayne & Chicago, Kankakee Lin and Pan-Handles routes, for all points EAST and SOUTH EAST.

This road can give you CHOICE of ALL ROUTES from Chicago to the East. It allows its patrons to select the route they may think best. Determine the route you would like to travel over beyond Chicago, and we will be glad to sell you THROUGH TICKETS by it.

Passengers will find Tickets via this Favorite Route at the ticket office of the Central Pacific Railroad, Sacramento.

Tickets for sale in all the ticket offices of the Central Pacific Railroad.

W. H. STENNETT.....General Passenger Agent
MARVIN HUGHITT.....General Manager
H. P. STANWOOD, General Agent,
No 2 New Montgomery Street, San Francisco.
47:13

MOUNTAIN PLANTS.

Strawberry Plants.

"Monarch of the West," "Star of the West," "Seth Boyden," "President Wilder," "Great American," "Crescent Seedling," "Duchess," "Prouty's Seedling," "Duncan," "Kerr's Prolific," "Miners' Great Prolific," "Continental," "Cinderella" "Cumberland Triumph," "President Lincoln," and all the best and most promising varieties of STRAWBERRIES.

Mountain grown plants—"Silva's Koning Claudie," the earliest and best early Blue Plum.

We offer for sale a large and fine stock of the above.
Send for Descriptive Circular to
C. M. SILVA & SON,
Newcastle, Placer County, Cal.
49:3,

SPLENDID **FLOWERS** OVER 200 Distinct Varieties.
All Strong Plants, each labeled and delivered safely by mail. *Largest assortment. Low prices.* We have been in business 24 years, and *ensure satisfaction.* Our stock of **ROSES** *comprises all desirable varieties,* and contains none but mature plants. We send, *per Albert's choice* of 6 for $1, or 13 for $2. Our new *Illustrated Hand-Book*, sent free, contains name and description of each plant, with instructions how to cultivate successfully. HOOPES, BRO. & THOMAS, Cherry Hill Nurseries, West Chester, Pa.
47:22

RHUBARB WINE.

A CHOICE NEW ARTICLE.

A DELICIOUS, HEALTHFUL WINE.

Manufactured at Omaha, Nebraska, from the VEGETABLE RHUBARB, making a very delicious, palatable, and healthful light wine, differing from any other wine ever yet manufactured, and giving good promise of becoming a very popular wine.

For sale at the CALIFORNIA FARMER Office by
WARREN & CO.

TO INVENTORS AND MECHANICS.

Patents and how to obtain them. Pamphlet of 80 pages free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 31,
48:19 tf *Washington, D. C.*

Good Cure for Hard Times
A PLANTATION OF EARLY PROLIFIC and RELIANCE RASPBERRIES.
100,000 Plants for sale, also 200,000 Cinderella and Continental Strawberry Plants. Millions of other Plants, Trees, etc. Everything new, novel, and rare. Prices low. Send for Descriptive Circular to GILSON & BENNETT, Nurserymen and Fruit Growers, Woodbury, N. J.
48:24

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the *information of their Wants.*

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, MAY 8, 1879.

THE CALIFORNIA FARMER READING ROOM, AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marsh Building—Up Stairs.

FARMERS HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms. Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of Interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for one insertion, fifteen cents a line for any larger space. Each subsequent insertion ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates to Clubs or Societies.

WARREN & Co.,
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

Editor's Chair.

Home.—We feel assured our readers will find interest in our Poets' Column this week.

"Hope" teaches a beautiful lesson; "The Vacant Chair" will recall many recollections of home and loved ones.

"The Mother's Fool" will remind many readers of prominent citizens everywhere, who were like the mother's fool—yet won their way to a Senatorship and the Gubernatorial Chair by means of self-education—a lesson for all young men.

"God's Capable Woman." -In this interesting essay we have a noble sketch for all women to read, and all young women to study.

"Hearts Overworked" should be carefully read. "Bancroft's Historical Library" must be visited and remembered.

Other articles on "milk" "flour" and other items to be noted on Home page.

Horticulture.—The May Chapter from Vick's excellent Magazine will find many readers to approve—"Experience in Fruit Raising," "An Enemy among the Oranges," "Why Flowers turn to the Sun," are all good teachings.

Miscellany. — "Value of Foreign Coins," "Triplet Maxims," both contain valuable knowledge, and "Wealth of our Country" should be studied.

Agriculture.—"We give the 6th chapter in that most excellent story "How we saved the Old Farm," our farmers' growing sons should be sure to read the whole of this story, it is one of the best ever written on the subject of a well managed farm. (Back numbers of the story can be had at this Office).

"Capes in Chickens," a capital remedy.

Our Front Page.—"Our European Letter" we know will interest and instruct our readers of the progress of agriculture in France and its surroundings.

"Our Arizona Letter."—We give another letter from our esteemed Correspondent *Ajax*, his description of travel and the place will interest our readers in this new and to be "a wonderful Country."

"Our Washington Letter."—This gives us an interesting view of the state of politics at Washington, Congress, the "White House" and the President.

"San Diego."—We give another letter from our Correspondent at San Diego, showing the increasing interests of that fast growing section of our State.

Unanswered Letters.—We are constantly receiving letters of inquiry from numerous sources, asking us to furnish replies and statistics that would occupy pages, and these from strangers, on matters not of a public interest, but only their private business, and then not even a stamp for reply, of course our time will not allow us to comply, though kindly disposed—stamps for reply should always be sent.

Cut this Out and Save Life.

Who does not value life? and who would not give all their wealth to *preserve health?* for this is life?

What is life without good health? a heavy, weary load of pain and sorrow.

BLOOD IS LIFE!

And the best blood purifier in the world is "David Clarke's Australian Liver Pills," there are no pills manufactured that surpass them in excellence, and are so certain a remedy for all evils that affect the liver or taint the blood—buy only David Clarke's Great Remedials.

Bills Sent Out.

We would hope that those of our patrons to whom we have sent bills, will kindly remember that a good many *little sums from each* would be of great advantage in times when money is of value.

SEASON—PROSPECTS—CROPS.

Never ceasing are the many benefits that are sent to our farmers constantly of rains and sunshine, but how seldom do we hear farmers send forth praise for these blessings, but if a sharp frost comes and kills their potatoes and beans, then comes the complaints from all quarters.

It cannot be denied but that the present season has, thus far been generally a prosperous one—rains, dews and sunshine have come to our farmers in generous supply, and everywhere almost crops look well and promise well, there may be spots in some counties where farmers think their crops will be short by reason of a want of the usual needed supply, yet we feel that if a better system of culture had been given, or if some of the open plains now dry had been planted with trees, the rains would have been more readily attracted to these regions and better crops been secured.

There has been a great political strife over our farming districts that has taken up much time for the battle—if our farmers will but give an equal amount of time to study and learning the wants of the soil that they have given to the late and exciting contest—(a duty which was right for them to perform,) we think they would learn much that would benefit them greatly.

There has been some little frost nipping this week, of which we have spoken elsewhere, otherwise we hear no complaints.

The grain crop generally will be a large one, especially the barley crop.

We hear of insects, rust, etc., but this always happens, but when land is deeply and cleanly cultivated, and work timely, rightly and well done, insects and disease are not found any more than upon humans—which things will come when uncleanliness prevails.

The orchard and vineyard crops promise large yields—already strawberries and cherries are abundant, strawberries unusually low, 20 to 25 cents a drawer—also oranges $1 per 100 which gives a feast to all families and children now—being cheaper, and more healthy than pork, bacon, etc.

The wool clip will be a good one and quality good, with a prospect of a rise in value of wool ere long.

The hop interest is low, prices so low as to give a loss to the grower.

The wine crop this year will be large, and the quality better than before, each year we improve in quality of wines, so much so as to win high encomiums for our wines, and what is cheering and most of importance, large orders from New York and Louisville, and even in Europe for our wines.

In the last few months Messrs. Kohler & Frohling, G. Groninger, Landsberger & Co., Lachman & Co., and the De Turk and Searle wines are all largely ordered for export, this is good news for our wine interest.

Much attention is now given to the preserving of our fruits by the well known fruit packers, Sol'm Wagenheim & Co., Cutting Packing Co., C. J. King of Wm. & Co., and the San Jose Packing Company—these firms will pack hundreds of thousands of dollars value in fruits that otherwise would be lost.

Steadily, even in hard times as the cry is, these industries must go on.

JACK FROST.

Jack Frost has been nipping off the hopes of many growers of our early crops, there was something significant in the fact that last *Tuesday night* this cold-hearted wanderer took a widespread ramble, and cut down and bit off the early *potatoes, tomatoes, string beans*, and in some cases entered our vineyards and took a sly nip at the foliage of the grape vines—this midnight havoc occurred in San Joaquin, Yuba, Napa, Sonoma and Santa Clara Vallies, a wide sweep of travel for this night's work.

It is a little singular too that "Jack Frost" visited the very counties and did the most damage where the people have so largely voted *in favor* of the *new Constitution*.

If "coming events cast their shadows before"—then we may suppose this severe frost nip was a forerunner of the *cold snap* the people were to feel the next day; as the voters of these very districts gave a majority for the *new Constitution*.

We should most certainly say that "Jack Frost" and the ballotings were all a most *Unconstitutional* proceeding.

The Wine Interest of California.

The Wine interest of California is in danger of being very seriously injured if Congress should change the *Tariff on Wines* that is now sought to be effected by importers of Foreign wines, in the Eastern States and Europe.

Should the new tariff be carried, it would injure the wine interest of our State by millions of dollars, an earnest memorial protesting against a decrease of duties is before Congress in the hands of our Senators and Representatives, and we have faith to believe that by their efforts and labors in Congress they will defeat the measure, and thus save our vineyards from this great injury.

Australian Seeds.—We have received from the Acclimatization Society of New Zealand a very liberal collection of choice seeds, sent us through the office and courtesies of H. Craig, Esq, of the N. Z. Insurance Co., in this City, many, many thanks for the courtesy.

We also acknowledge a parcel valuable seeds from the Directory of the Royal Gardens, at Victoria.

We again return thanks to our esteemed friend Baron von Mueller, of Melbourne, for valuable Seeds.

Thanks to our kind friend G. S. W. for the delicious Strawberries sent us, and those promised also, we had a feast; and our mouths water for *those to come*.

Catalogues.—A mountain pile of new and handsome Catalogues of Nurserymen, Seedsmen and Manufactures, all waiting notice and notoriety send along your Advertisements, Gents, then you shall have *especial* attention and notice that shall pay you well.

THE FARMERS' BALLOTS.

The late election has done more to bring into notice our *farmers* and our *farmers' influence* than any event that has occurred since the *first* developments were made in agriculture in our State.

The *banker* the *merchant* and the *ship owner* and the *manufacturer* have thus far led the van in all our *political* movements, and thus far have controlled all the elections, placing in all the offices of power and trust the men of their choice, while the farmers and mechanics have generally stood back, rarely pressing forward their own views or claims, but willing to be *guided* or *led*, by the leaders among office holders, or those who aspired to office, and thus working for others and not for themselves.

The late election has brought our farmers to the front and shown their power and influence, and it is this power and influence that is destined to control our State hereafter, and if used by a wise intelligence and patriotic desire for the greatest good of the whole people, will result in untold prosperity to our State.

A very great good must result to the people of this City and to all the leading cities where the masses of our capitalists are centred, by showing them where the power lays for all the future.

No city can be really a prosperous one long unless it has a producing country and a working population around it outside to support it, this we think is the cause of the present apathy in the city of San Francisco, while Oakland, Stockton, San Jose and Sacramento feel the general stagnation in trade, they are all more active in business than this City, from the very fact of a large country near and around them, to give them daily business and build them up.

We believe it is now being well understood that San Francisco has had more than double the number of business places, stores, etc., than could be sustained, hence the great number of houses, stores and workshops now marked—To Let.

It is the country and the farming and producing people that build up and sustain cities, and without these, cities cannot prosper, and therefore our farming and producing classes must always be justly esteemed as the builders up of our cities, and their worth duly estimated.

Goldsmith speaks of the power and influence of the peasantry of the country and says:

> "Princes and lords may flourish or may fade;
> A breath can make them, as a breath has made,
> But a bold peasantry their country's pride
> When once destroyed, can never be supplied."

The mightiest minds of all ages, the greatest Statesmen of Europe and our own country have all declared the value of Agriculture to a nation, and the value of an *intelligent peasantry*, the very "Lords of the Soil."

The brightest minds of Europe in past and present times look to the peasantry as the source of prosperity always.

Sir John Sinclair the warm friend of Washington, and Washington himself, Clay, Jefferson, Jackson and a host like these, with the great Napoleon, all declare that Agriculture is the basis of a Nation's wealth, and, for all this great work

THE PLOUGH

Is the emblem, the shield and the weapon that makes a Nation prosperous.

THE NEW CONSTITUTION.

By the vote of the people at the "ballot box," that arbiter of a "people's will," the "new Constitution" has been adopted by some 8,000 or 9,000 votes. We are glad the majority is large enough to prevent any quibbling about it, and now let our citizens quietly and cheerfully abide this decision of the "ballot box," and go to work manfully to clear the battle field, gather up the slain and mortally wounded, clear the wreck of battle and bring back order out of chaos, and restore as far as is possible the consequences of the fierce warfare that has been so long and so bitterly waged.

We believed the "old Constitution" was good enough, and believe so still, we advocated the plan of having our *Legislature* make all needed alteration and changes in the Constitution, as the proper place for such work—and it will be found that after all the cost of the *Constitutional Convention* and of the *election* just held, that the great work will now have to be done by the next Legislature, for it will be found, and it is so announced by the very friends and advocates of the *new Constitution* that it is *not self-acting*, that most of the sections and the principal and important portions of this great work will have to be referred to the Legislature in order to make the work legal and set the machinery in motion.

This will be strange news to those who have been shouting *victory! victory!* when they find that the work is *not completed*—and that finally it depends upon the very men yet to be elected to the *next Legislature* to make the *new Constitution* what its friends want and what they have been battling for.

> What constitutes a State?
> Not high-raised battlement or labored mound,
> Thick wall or moated gate;
> Not cities proud with spires and turrets crowned.
> Not bays and broad armed ports
> Where laughing at the storm rich navies ride;
> Not starred and spangled courts,
> Where low-browed baseness waits perfume to pride.
> No; men, high-minded men.
>
> Men who their duties know
> But know their rights, and, knowing, dare maintain.
> Prevent the long-aimed blow,
> And crush the tyrant while they rend the chain!

List of Australian Duties.

Our Merchants and Shippers of Goods to Australia who desire to know the rates of duties to the several Colonies, can find a "List of Duties" of each district at the Office and Reading Room of the California Farmer, 320 Clay Street, San Francisco.

Home Correspondence.

A FLYING TRIP TO ARIZONA.

Leaving San Francisco one afternoon by the 4 o'clock boat, via Oakland, hence by rail to Lathrop, we were soon hurrying over the country bound for Arizona. Rain had been falling in copious showers, and the hills and vallies were covered with verdure, promising well for an abundant harvest—at the various stations we were gratified to hear the farmers speak encouragingly of growing crops and prospects for a prosperous year.

Retiring early we were soon in the arms of the fickle God, lulled to sleep by the clatter of wheels and the shake-up motion of the flying train.

Daylight saw us up, and we were amply repaid for our early rising by the fine view of the mountains as we crept up from the valley and neared the loop, that wonder of engineers' skill. The river from this point is grand, not like that on the Sierra's, but on a milder, gentler scale, yet noticeably grand, as it comes on us so suddenly, valley one moment, the next rugged mountains. We are soon over the summit, and our speed increases as we go flying down the grade toward Mohave desert.

At Mohave we breakfast, across the desert, up over the San Fernando Mountains, through the great tunnel, and were at Los Angeles.

We dine, lay in a supply of oranges at prices in excess of San Francisco's, and after adding to our train several cars loaded with rails and ties, soon leave the orange and lemon groves far behind.

For the first few hours the scene is delightful, fine fields, orchards, and vineyards, verdure and cultivation everywhere, but as night approaches signs of civilization disappear, and dreary wastes, trackless deserts reach out on every side, as if to draw the barren mountains within their grasp.

At seven the next morning we were at Yuma, which has so often been described that I will only mention its principal features—Uncle Sam has a post here, and considerable business is done in the adobe town, Yuma is beside noted for its extreme warm weather and bare legged Indians, the latter seem to flourish in an army ulster in summer and a breech clout in winter.

Leaving Yuma the road follows the old stage road down the Gila River, passing through a much more interesting country, interesting on account of its being different from any ever seen before. Long stretches of desert, with here and there a stray mountain, seeming to say, what am I here for?

Late in the afternoon we reached Gila Bend, the present terminus of the road.

They were moving the town when we arrived, having moved that day from Staverix, the last terminus. After some skirmishing we found seats at the thirteenth table at one of the best hotels, where we regaled ourselves on the choicest luxuries the market afforded, as there may not be enough to go around, the hotel and market had better divide this compliment between them.

We waded about through the dust, saw all the attractions of the town, returned to the stage office, and took our seats on the coach. The driver we immediately made our friend, and as we journeyed on through the long watches of the night, time flew, as with song and story we whiled away the hours. The singing was particularly agreeable to the inside passengers who had not slept, but might.

At Maricopa we are to breakfast, but ye Gods what a breakfast. Oh, for words to write of this most detestable repast, no language could convey the faintest outline of a shadow or the idea intended. Traveler, avoid it, go around it as you would a thing "as to be hated needs but to be seen."

With a new driver, and horses changed for mules, we got away from Maricopa Wells, with a prayer that we might never look upon its like again.

The Railroad Company will have their new town established soon, and this imposition can be avoided.

I cannot say that a mule team is what it is cracked up to be, although our driver cracked his up considerably with his whip, and kept them trotting like coyotes.

As we neared the Pima villages we saw signs of vegetation, evidence of the thrift and industry of the Pima Indians. Their little farms looked quite promising, the irrigating system having made "the desert to blossom like the rose." A scheme at present under consideration to remove them from their reservation would work a great hardship and would indeed be cruel; the scheme has the impress of Job on its face.

To the right of the road after leaving the Pima Agency is Casa Grande, one of the most interesting ruins in all Arizona, unravelled mystery lurks about it crumbling walls. The oldest inhabitants can give no account of its origin, or the intentions of its builders. Broken pottery, much of it well preserved, covers the ground, but no trace of anything by which can be learned its age, or condition of those who in ages past constructed it. Many theories have been advanced, but nothing tangible or reliable.

At Florence, an adobe town of 500 souls, we had supper, a change of driver and horses, and another night on the road is before us.

As we dash out on the open plain, Picacho Peak, a noble landmark looms up before us, its rugged edges outlined through the moonlight, presenting a weird, wild picture. At daylight we breakfast at Desert Station, and with a fresh relay of horses are off for Tucson, which after a drive of seven hours we reach at noon.

The country through which we have passed seems to have all the requirements for agricultural land, and with irrigation could be made to grow anything, but the absence of water in the vallies—but fine streams or even springs in the mountains makes the sinking of wells absolutely necessary in order to make these lands available, I see no reason why water could not be obtained in this way.

Tucson contains some seven thousand people, and is one of the busiest, liveliest towns I have seen for sometime—everybody seems to be busy, stores and buildings all occupied, old houses being repaired, and new ones building all over the city. Labor is performed principally by the Pafagua Indians and Mexicans, who are familiar with the manufacture of adobes, of which the city is built. The people are enthusiastic over the idea of having a railroad, and predict wonders for Tucson in the future. The price of board and rooms are reasonable, which compare favorably with any outside of San Francisco.

Water is abundant, and is sold from carts—a scheme to supply the city with artesian well water is under consideration, and will be probably in operation before another year.

Taking a private conveyance we drove south seventy-five miles to the Tombstone Mining District, passing Cienga Station, twenty-five miles from Tucson. This station and the country around it was the stamping ground of the Apache and the graves of twenty-five victims tell the story of murder and pillage. The station is kept by mine host Dunbar, who does everything for the comfort of travelers, clean beds, good fare and warm fires, and one never regrets having spent the night at Loicing's Station.

The Tombstone Mining District promises great things, and the work at present done has developed immense surface deposits, which have the appearance of permanent ledges as they go down on them. Considerable prospecting has been done, enough to determine the value of certain properties, notably the Contention, Head Centre, Lucky Cuss, Tough Nut, Empire, and others. The number of men employed is small, hence the business of the towns, of which there are three, is limited.

There is water sufficient for all milling purposes and wood in abundance, only sixteen miles away.

Bidding adieu to Tombstone, we turned our faces homeward, and after three days staging, and two days on the railroad, we arrived in San Francisco much pleased with our flying trip.

Ajax.

KENNEDY'S NEW SHEEP DIP.

Denver, Colorado.

S. H. Kennedy—*Dear Sir:*

Please send me three cases 30 one gallon cans, Non-Poisonous Dip, and three cans 6, five gallons of same. I believe you have struck the dip now on which I will eventually succeed in making big sales, it works to perfection so far, and all those that have used it are much pleased with its operation—will send you more testimonials soon.

I have no fear but your Dip will come out on the top eventually, of all dips. Yours truly,

Geo. Ruble.

Geo. Ruble, wholesale dealer in Saddlery, Leather, Wool and Hides.

AUSTRALIA.

AGRICULTURAL NEWSPAPERS.

Editors, strangers and citizens from the Eastern, the Middle, or Southern States, also Editors over our own Coast who may desire to see or refer to their own Journals, or any Agricultural or Horticultural Journals, will always find them on file in the Farmer Reading Room, to which they are always bid welcome.

One Hundred of the leading Journals and Magazines of this class, the best in the United States, are in this collection, giving to those in search of Agricultural knowledge the best Information on this Coast.

A Large Library also, for *General Reference*.

Australia and California

We have full files of Australian Papers from all parts of Australia, showing the great interest they take in this Country, one thing of great moment, is the "Steamship Line," it is of vital importance to the welfare of the Colonies, and so vastly important to the Pacific Coast in the great trade that can be built up between the Colonies and California, if our Merchants do their duty.

These Journals are arranged on file for the convenience of all who may desire to peruse them. We have as follows:—

The Sydney Morning Herald, Sydney.
" *Town and Country*, Sporting Paper, Sydney
" *Australasian*, Melbourne.
" *Weekly Times*, "
" *Adelaide Observer*, Adelaide.
" *Queenslander*, Brisbane, Queensland.
" *Week*, " "
" *Capricornian*, Rockhampton, Queensland.
" *Port Dennison Times*, Port Dennison.
" *Wide Bay and Burnett News*, Queensland.
" *Darling Downs Gazette*, Toowoomba, "

Many of these Journals are of the largest size, from 20 to 38 pages, several, splendidly illustrated with views of the Public Buildings, Landscapes, Public Men, Stock, etc.

CONTRIBUTIONS FROM QUEENSLAND.

We Invite all our readers and our citizens especially who are interested in our Manufactures and the Mechanic Arts, and our Agriculture, to visit the Farmer Office and see the Rich Products brought from Queensland by the Commissioner, which are now on Exhibition open to all, in the Reading Room and Museum of the California Farmer Office.

Extract from a Liverpool Letter.

One of the large packing firms at Cleveland, in connection with forwarding packing returns, kindly furnishes the following extract from a Liverpool letter, under a recent date, in regard to the provision market: "There is no accumulation of stocks here. Stuff so far continues to sell about as fast as landed. Prices a shade weaker; however, we cannot go much, if any, lower, and plenty room for an advance. The country buyers are full of stock, and it is natural to conclude there is a very large consumption going on at these low prices, and must continue."

FURST & BRADLEY'S SELF-DUMP SULKY RAKE.

The Attention of Farmers is called to the merits of this Rake, and its great superiority over all Self-Dump Rakes heretofore brought to the notice of the public. The Dumping is done by friction bands around the ends of the hubs giving full control of the Rake to the operator, so as to be able to carry the teeth clear of the windrow. This does away the necessity of ratchets and pawls which is so objectionable in all other Self-Dump Rakes. The teeth are of the BEST CAST STEEL and have a double coil which renders them capable of the most severe work.

SEND FOR OUR NEW ILLUSTRATED CIRCULAR TO

GEO. A. DAVIS, Agent,

327 MARKET STREET, - - - SAN FRANCISCO.

SAN FRANCISCO CORDAGE CO.

ESTABLISHED 1856.

Have constantly on hand a full supply of all kinds of Manila and Sisal Rope manufactured from the roots Fibre—and by the latest improved machinery. All our Manilla Rope GUARANTEED.

HAY ROPE.

The special advantages of Rope for baling purposes, are the uses to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for Halters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when baled with Rope.

FOR SALE BY ALL DEALERS.

TUBBS & CO.,

611 AND 613 FRONT STREET,

SAN FRANCISCO.

49:7

E. T. ANTHONY & CO.,

RE-PACKERS,

407 and 409 Commercial Street,

NEAR BATTERY, SAN FRANCISCO.

Dry Goods, Clothing, Blankets, Glassware, and other Merchandise, packed with care and dispatch, in Bales or Boxes, suitable for Mule Carriage and Shipment.

Bagging, Twine, Oil Cloth, India Rubber and Boxes for Sale.

The Presses of Mr. Anthony cost $11,000, and Mr A. packs for all our Merchants and does his work well. 49:8

FOUR SPLENDID WAGONS.

Farmers who desire a splendid Single or Double Seated Wagon, of the BEST make and BEST finish, can have a special bargain if they will call at 320 Clay Street, FARMER Office, where style of the Wagon will be shown them, price and terms also. An early call will secure a bargain rarely obtained.

THE NEW

SHEEP DIP.

We invite our SHEEP RAISERS to a NEW SHEEP DIP just received by us from Omaha, Nebraska, known as KENNEDY'S NON-POISONOUS and TOBACCO SHEEP DIP

This new article can be had at a reduced rate in quantities at the

CALIFORNIA FARMER OFFICE.

N. B.—Call for Circulars and Particulars of its quality and merits

VALUABLE INFORMATION FOR THE FARMER.

Next to the system of rotation in crops, the most important discovery yet made in Agriculture. Without any outlay of money, an increase of from 25 to 50 per cent. can be obtained in the crop of MARKETABLE

POTATOES

Proved by two years' experience. Costs nothing but time during Winter or early Spring to prepare the seed. Full directions sent for $1, payable after trial, at maturity of crop. ISAIAH T. GLIDER, Quakertown, Bucks Co., Pa.

49:3

NEW TOOTH POWDER!

The New Tooth Powder and preservative for the gums, and purifier of the breath.

DAVID CLARKE'S

Eucalyptus Tooth Powder,

The BEST EVER COMPOUNDED and destined to supersede all others.

WARREN & CO., SOLE AGENTS,

320 CLAY STREET, S. F.

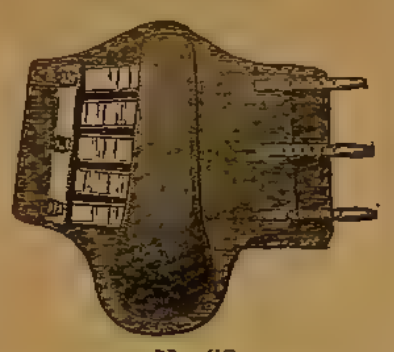
A Pamphlet Free.

The MURRAY HILL PUBLISHING COMPANY, 129 East 28th St., New York City, will send by mail a large pamphlet entitled EVIDENCES OF DOCTOR FOOTE'S SUCCESS as a writer and practitioner of medicine, and a catalogue of all their publications—reading enough for several weeks—if you will but enclose one letter stamp to their address.

MAIN & WINCHESTER

Nos. 214 and 216 Battery Street,

San Francisco.



No. 35.

ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47:20

S. P. TAYLOR & CO.,

416 CLAY ST.,

Between Sansome and Battery,

SAN FRANCISCO

MANUFACTURERS AND DEALERS IN

Printing, Hardware, Manilla, and Straw Papers,

PAPER BAGS, TWINE, ETC.

Depot of the Pioneer

—AND—

EAGLE PAPER MILLS.

45:19

GRAND TRIUMPH FOR EUCALYPTUS.

EUCALYPTUS WILL CONQUER DISEASE.

We publish the following strong TESTIMONIAL in favor of the GRAND REMEDIAL POWER of the Eucalpytus, prepared by DAVID CLARKE, CHEMIST, of Australia.

This Testimonial comes from a prominent Merchant of this City, whose name is with us for reference for all who suffer and would be relieved.

SAN FRANCISCO, April 7, 1879.

EDITOR CALIFORNIA FARMER—*Dear Sir*

Some time ago I had the misfortune to sustain a dislocation of the shoulder received from a fall, and while I was suffering the most acute pain as the effect of it, so much so as to be deprived of my sleep nights, I met my old friend, Col. Warren, who presented me with a bottle of "Eucalyptus Oil" saying as he did so, "try it." "bathe the shoulder and arm well, and on retiring saturate a cloth with the oil, and bind it to your shoulder, and you will have no more sleepless nights on account of pain from that." I followed the Colonel's directions, and must say that the Eucalyptus Oil will do all that is claimed for it as an alleviator of pain (rheumatic and otherwise) and more too.

A preparation made from the Eucalyptus Tree, by frequent ablutions of the eyes will restore weak eyes to strong ones and positively restore the sight as good as ever to people whose eyes are failing, if they will keep their body in good condition by the use of Eucalyptus Pills—while using the eye wash. Yours truly, G. H. B.

N. B.—There are many compounds made in this State, yet however good, the *genuine* Remedials are those prepared by David Clarke, Warwick, Australia, for sale by Warren & Co., Agents.

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Capital	$5,000,000
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Assets	1,985,655
Re-Insurance Reserve	345,839
All Other Liabilities	189,076
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UNDERWRITE, THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandise, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

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IS MANUFACTURED BY

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WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

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First-Class Improved Machinery and the Very Best of Selected Timber,

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"THE BEST WAGON ON WHEELS."

We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ———, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {TITUS W. FISH, EDWIN H. FISH, JNO. C. HUGGINS,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. Send for Prices and Terms, and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.

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The Great Remedy

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DAVID CLARKE'S

Liver and Bilious Pills.

☞ Full Directions for Use Accompany every Box.

—ALSO—

CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

Clarke's

LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury* or other *Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1872.

To MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed good *health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON

LONDON BOARDING HOUSE, ALBION STREET, WARWICK, September 23, 1874.

To MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed) JOHN GREEN, Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus.

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir:*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,

GALEN CLARK, Commissioner Yosemite Valley.

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, coming from so high a source, we feel it a duty we owe to the public to give it the following letter:

SANTA CLARA, SANTA CLARA COLLEGE.

COL. WARREN—*Dear Sir*

Heretofore we have had no occasion of trying the Eucalyptus Medicines, in Pills or Liquids, but we have commenced to use them, and we find them very beneficial; some of our Fathers find a great relief in their complaints; the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare. Yours respectfully,

A. CICHI, S. J.

At later date we received the following, another proof of the virtue of this Medicine:

The Pills we find to be a mild and beneficial cathartic. The Liquid Extract is a valuable Blood Purifier and a good appetizer. A. CICHI, S. J.

The above from Prof. Cichi, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedial.

We have the names of *scores* of well-known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you David Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY

David Clarke,

Manufacturing and Wholesale Chemist,

AT HIS LABORATORY,

Warwick, Queensland.

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SOLE AGENTS FOR THE

UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

A NEW STRAWBERRY.

SHARPLESS, THE LARGEST, BEST FLAVORED and most productive berry ever produced. Berry raised with ordinary culture from plant, set in September, 12½ inches in circumference; weight, 2½ ounces; and on the same stem four others from the size of a hickory nut to that of a walnut. See sworn statement and recommendations in my circular. Free to all, sending their name and address on postal card. J. L. DILLON

4x7 BLOOMSBURG, PA.

N. B.—Catalogues and Plants at FARMER OFFICE.

Home Miscellany.

"There is no place like HOME.
Home! It should be Heaven on Earth

HOPE.

No more beautiful lesson has been taught by a modern poet than in these stanzas by Whittier. Adam and Eve, exiled from the Garden, had sat down disconsolately, on the outer side of the wall of Paradise, and there an Angel found them bewailing their fate. Thereupon the radiant presence spoke:

"Arise," he said, "why look behind,
When hope is all before,
Patient hand and willing mind
Your loss may yet restore?

"I leave you with a spell whose power
Can make the desert glad,
And call around you fruit and flower
As fair as Eden had.

"I clothe your hands with power to lift
The curse from off your soil;
Your very doom shall seem a gift,
Your loss a gain through toil.

"Go, cheerful as you humming bees,
To labor as to play,"
While gleaming over Eden's trees
The Angel passed away

The pilgrims of the world went forth
Obedient to the word,
And found where'er they tilled the earth,
A garden of the Lord.

Once more, O, white-winged Angel stand,
Where man still pines and grieves
And lead through toil to Eden land,
New Adams and new Eves!

THE VACANT CHAIR.

BY WINNIE WILLIS.

Nay, chide not my tears which are falling so fast,
My spirit must bend lest it break to the blast;
For a shadow has fallen upon our hearth,
And hushed the voices of music and mirth,
Oh, then, chide me not in my deep despair—
By our hearthstone stands a "vacant chair!"

The spring is here with its birds and flowers,
But sad to me are its soft sunny hours;
Ye may not know the grief we have felt,
Unless by a brother's grave ye have knelt—
Unless ye have mourned for the young and fair,
Who have left by your hearthstone a "vacant chair!"

My father is treading the down-hill of years,
And soon he'll be leaving this dark vale of tears;
Oh, gladly to hope we'd his spirit beguile,
But we know when he smiles it's a sorrowful smile,
For the grief of his soul to our hearts is laid bare,
As sadly he looks on that "vacant chair!"

My mother's dark hair is silvering with gray,
And her step grows heavier day by day;
Oft' tear stains rest on her thin pale cheek,
Which tell the anguish she cares not to speak.
Oh, mournful the shade that her face doth wear,
As her mild eyes rest on that "vacant chair!"

And often my sorrowing heart is pressed
To a brother's fond and faithful breast,
While he gently strives to soothe my grief,
And tells me that "Heaven can give relief!"
But I know his own woe is all he can bear
As he silently looks on that "vacant chair!"

When the curtain of twilight is down over the skies,
And the stars look down with their angel eyes,
We sisters oft' gather—a loving band—
And speak of one in the spirit land.
But, alas! our gaze is resting there,
Through fast falling tears on that "vacant chair!"

Alas, alas, for the shadows which fall
'Like on peasant's cot and on prince's hall!
Alas for the hearts which are yearning to gaze
On the loved and the lost of earlier days!
Heaven alone can help those their grief to bear,
By whose hearthstone stands a "vacant chair!"

"MOTHER'S FOOL."

"'Tis plain to me," said the farmer's wife,
"These boys will make their mark in life;
They never were made to handle a hoe,
And at once to college they ought to go.
Yes, John and Henry, 'tis clear to me,
Great men in this world are sure to be;
But Tom, he's little above a fool—
So John and Harry must go to school."

"Now, really, wife," quoth farmer Brown,
As he set his mug of cider down,
"Tom does more work in a day for me
Than both of his brothers do in three.
Book learnin' will never plant beans or corn,
Nor hoe potatoes, sure as you're born—
Nor mend a rood of broken fence;
For my part give me common sense."

But his wife the roost was bound to rule,
And so "the boys" were sent to school;
While Tom, of course, was left behind,
For his mother said he had no mind.

Five years at school the students spent,
Then each one into business went.
John learned to play the flute and fiddle,
And parted his hair (of course) in the middle;
Though his brother looked rather higher than he
And hung out his shingle—"H. Brown, M. D."
Meanwhile, at home, their brother Tom
Had taken a notion in his head,
Though he said not a word, but trimmed his trees,
And hoed his corn and sowed his peas,
But somehow, either by "hook or crook,"
He managed to read full many a book.
Well, the war broke out, and "Captain Tom"
To battle a hundred soldiers led,
And when the enemy's flag went down,
Came marching home as "General Brown."

But he went to work on the farm again,
Planted his corn and sowed his grain,
Repaired the house and broken fence,
And people said he had "common sense."
Now, common sense was rather rare,
And the State House needed a portion there,
So our "family dunce" moved into town,
And people called him "Governor Brown,"
And his brothers that went to the city school,
Came home to live with "mother's fool."

—*Christian at Work.*

WARD'S FERTILIZERS.—These very superior kinds of *Fertilizers* and also *Insect destroyers* should be universally used upon plants and flower

GOD'S CAPABLE WOMAN.

"The heart of her husband doth safely trust in her."

Not many nights since, a ministerial hand of no mean power, drew aside the curtain of darkness which hangs between the sides of a two-fold city life.

The curtain swings back slowly and heavily. Stretched on the grand panorama of stern reality are the bright and dark scenes—the one solemnly, reluctantly passing from view; the other stealthily coming in. The distant stars send their cold and pitiless rays upon the night side of our city life—the lights of earth gleam brilliantly through crystal panes, and struggling feebly through heavy screens. The dance of death whirls past; we shrink within ourselves as the traps for men, disguised and undisguised, open and shut, and our souls cry out for the weak and fallen, when the battle for bread begins. The watches of the night come and go. In yon whited sepulchre we hear the click of ivory balls, the rattling of glass, the ring of gold, and jeers of profanity. But we not only hear—we see the flush of youth upon boyish cheeks; the erect head and strong arm, but somewhat depressed air of man in his prime, the furrowed brow and gray hair of age. We see cheeks now crimson, now ashen—eyes glowing with animation and exultation over booty won, now with phrensy and desperation at its loss. Still the click of the balls goes on, the drink of death passes around, and the clash and ring resound upon the air.

Here are the fathers of our glorious America's children, here the sinews of her physical, political and spiritual strength, here the hope of her immortality! The cold, dark waters of the Styx lap the sands at their feet, and the Furies dance above their heads. Oh, America! land of the true and good, hast thou come to this? Must thy pure soil of liberty be thrown open as the common burial ground for the leprous bodies of slaves to sin.

Is there no cause for this evil that stalks through our land, making men sell their souls for gold? By laws unchangeable, however baneful the effect, it must have an adequate cause. For all evil there is a remedy. The clerical hand which tore the curtain aside may now loose its grap, if it will. We have seen enough of the awful effects; we would search for the causes, and leaving this loathsome place, let us turn our footsteps home. Home? Those behind that screen have homes, too, or they once had; may not one of the causes lurk in the corners of these homes? A wife drives her husband, and a mother her son, to such a place? I am on sacred ground, and I know it—ground, it may be, holy with the prayers, and damp with the mingled tears of mother and wife. I know, too, that it is hard to find stepping stones on this ground without bruising a heart that is already bleeding and torn. Is it not cruel to go to the pale-faced, sad-eyed wife whose husband, a money-making man, cares nought for his home or her, and spends his nights she knows not where, and thunder in her ears: "Thou art the cause of this thing!"

We would not ruthlessly rend the veil which hides the privacy of home life—its joys, its sorrows, its skeletons, from the gaze of the world outside; still, going back to the nature of things, we must feel it true, that if here is the molding and ruling hand, and if she were God's Capable Woman, men would be in the highest sense God's Capable Men. If inspiration adds any thing to reason, we may bring to our aid the first attribute in the description of the virtuous woman: "The heart of her husband doth safely trust in her, so that he shall have no need of spoil." We have not a Deborah, calling the hosts of Israel to battle, or a Queen of Sheba, arrayed in her wealth and power, for our ideal—but a woman in her home, and the "heart of her husband doth safely trust in her." Is it something remarkable for a man to trust in his wife, that the inspired writer placed it first? You know a little better than others whether the man who calls you wife trusts in you—whether he prefers the pleasant quiet of your home to the enchantment of the traps for men, or your society to that of the lepers in high life behind the curtain. We might, in a general way, look at some of the causes, if these things are so, laying it down as a truth, that if a man really trusts in his wife he will prefer his home to all the enticements of vice and sin without. A man can not, in the highest sense of the word, trust in the woman whom he knows to be inferior intellectually. Many a good, true heart aches sorely in its loneliness, because, fascinated by the talents of some professional man, it has united its destiny with his, and finds when too late that it has but little fellowship with his pursuits. He may, like a true man, be very tender toward her, or he may go out in the shades of night to find what he seeks for in vain at home. A man may think he is justifiable in searching the paths of sin for gain, when all he can accumulate by honest labor is wasted by his wife. The love of property is innate, and a man can not safely trust in a woman who is forever taking from, and never adding to the little he may gather. A man can not trust in a woman he can not respect, and he can not respect a woman, even though his wife, who is careless in her house, the care of her children, her dress, and her conversation.

Women, true and noble by nature, do not realize the necessity for constant watchfulness, until too late. The sin lies at some door—may not each mother, each wife ask; "Lord, is it mine?" To consummate this evil, Satan and his legions have centered all their skill; to counteract it, more than they who are against it is God, the hosts of Heaven, and every true man and woman. The threads of sin—silken, golden hued, bind a man with a web he can not break; but the gentle hand of a wise woman can weave, with stronger woof, a garment unsullied by sin, unspotted from the world, binding her husband to herself, so that his heart can "safely trust in her," and her children to their home, so that they shall "rise up and call her blessed."—LULU BOWEN, in *Woman Work.*

A New Jersey firm advertise "single and married bedsteads." That will do.

HEARTS OVERWORKED.

No organ in the body is so liable to be overworked as the heart. When every other part of the body sleeps, it keeps on its perpetual motion. Every increased effort or action demands from the heart more force. A man runs to catch a train, and his heart beats audibly. He drinks wine, and the blood rushes through its reservoir faster than ever was intended by nature. His pulse rises after each course at dinner. A telegram arrives, and his heart knocks at his side. And, when any one of these "excitements" is over, he is conscious of a corresponding depression—a sinking or emptiness as it is called. The healthy action of all the members of our frame depends upon the supply of blood received from the central fountain. When the heart's action is arrested, the stomach, which requires from it a large supply of blood, becomes enfeebled. The brain, also waiting for the blood, is inactive. The heart is a very willing member, but if it be made to fetch and carry incessantly—if it be "put upon," as the unselfish member of a family often is—it undergoes a disorganization which is equivalent to its rupture. And this disorganization begins too often nowadays in the hearts of very young children. Parents know that if their sons are to succeed at any of these competitive examinations which have now become so exigent high pressure is employed. Hence young persons are stimulated to overwork by rewards and punishments. The sight of a clever boy who is being trained for competition is truly a sad one. The precocious coached-up children are never well. Their mental excitement keeps up a flush which, like the excitement caused by strong drink in older children, looks like health, but has no relation to it; in a word, the intemperance of education is overstraining and breaking their young hearts. If in the school-room some hearts are broken from mental strain, in the play-ground and in the gymnasium others succumb to physical strain. "It is no object of mine," says Dr. Richardson, "to underrate the advantages of physical exercise for the young; but I can scarcely overrate the danger of those fierce competitive exercises which the world in general seems determined to applaud. I had the opportunity once in my life of living near a rower. He was a patient of mine, suffering from the very form of induced heart disease of which I am now speaking, and he gave me ample means of studying the conditions of many of those whom he trained both for running and rowing. I found occasion, certainly, to admire the physique to which his trained men were brought; the strength of muscle they attained; the force of their heart; but the admiration was qualified by the stern fact of the results." But, indeed, it is not by overwork so much as by worry and anxiety that our hearts are disorganized. "Laborious mental exercise is healthy, unless it be made anxious by necessary or unnecessary difficulties. Regular mental labor is best carried on by introducing into it some variety." Business and professional men wear out their hearts by acquiring habits of express-train haste, which a little attention to method would render unnecessary.—*Chambers' Journal.*

Effect of Cold on Milk.

The effects of a low temperature on milk have been carefully examined by M. Eug. Tisserand, who recently communicated his observations to the Academie des Sciences. He found that if cows' milk is, immediately or soon after being drawn, placed in vessels at various temperatures between freezing point and 90 deg. F., and the initial temperature is maintained for twenty-four or thirty-six hours, it will be found that the nearer the temperature of the milk is to freezing point the more rapid is the collection of cream, the more considerable is the quantity of cream, the amount of butter is greater, and the skimmed milk, the butter, and the cheese are of better quality. These facts, he believes, may be explained by Pasteur's observations on ferments, and their effects on the media in which they live. It is probable that the refrigeration arrests the evolution of the living organisms which set up fermentation, and hinders the changes which are due to their growth. The facts stated indicate room for great improvement in the methods of storage and preservation of milk. To keep milk at its original quality, extreme cleanliness and a low temperature are absolutely necessary. In the North of Europe, Denmark, etc., the value of cold is already recognized, and in warmer climates the need for its assistance is greater. There is nothing impracticable in the suggestion, since running streams can be used to aid refrigeration. Where the quality of the milk is of greater importance ice may be employed.—*Lancet.*

Compressed Flour.

Some time ago a Frenchman tried what effect compressing flour would have on the quality. Flour was subjected to a hydraulic pressure of 260 tons, and reduced more than 24 per cent in volume. It was found that the compression had not injured the flour in any respect, and accordingly it was placed in zinc boxes and sealed up. At the same time other flour manufactured from the same wheat, but not compressed, was also sealed up. After an interval of three months, and again, after the lapse of a year, the two kinds of flour were examined and made into bread. The compressed flour was declared in both instances to be the better of the two. The loose flour that had been sealed up for a year showed signs of mould, while the compressed flour was perfectly sweet.

A NEW ART INDUSTRY FOR LADIES.—Amongst the latest novelties in fashion are buttons made of the red Watcombe Terra Cotta, adorned with paintings of favorite views in England, Scotland, and Ireland. They are about the size of a half crown, and the views are painted by an Irish lady.

[Have we not artists in California that will give us views of California etched upon our beautiful native wood.—ED. F.]

BANCROFT'S HISTORICAL LIBRARY.

How few of our citizens are aware of the great Treasure House in History that has been prepared by that true Historian of our Coast, H. H. Bancroft, Esq.

At his Library Rooms on Market street over the Bookstore of A. L. Bancroft & Co., in spacious Rooms can be seen a library of more than 20,000 Volumes; and Newspapers, Magazines, etc., of 200,000 more, and in this vast amount of Literary, Biographical and Historical works can be found a mass of records of the early history of the Pacific Coast, gathered by the indefatigable energy of Mr. Bancroft, and at a very heavy cost, a collection too, which cannot be found in any other Library in the world.

Mr. Bancroft has already issued 5 large Volumes of the *Native Races of the Pacific States*, these Volumes contain invaluable records which it has required years to collect, and so great has been the interest to secure these Volumes that all the leading Libraries of our State and Coast and the other States and European Libraries have obtained them as the most reliable records, known of the Pacific States.

Mr. Bancroft has now in his employ many copyists and aids in his works upon History, which will be unsurpassed by any other work published.

We cannot conceive a greater treasure to a Californian than *Bancroft's History of the Pacific States*, every public Library and our School Libraries, should all have these great Historical Records.

We design at early day to speak in detail of his great enterprise, and the great good he is doing to the world in collecting so great an amount of historical records and publishing them, indeed as we can say *pro bono publico*, for Mr. Bancroft has expended a fortune in his researches and labors.

When we were kindly shown through this "Hall of Records" we could not but hope that ere long these Treasures would be placed in a spacious building, independent of all others, a splendid building worthy of such treasures, and over the portals we would have inscribed in justice to Mr. Bancroft.

BANCROFT'S HISTORICAL LIBRARY.

A Donner Monument.

Jos. Marzen, Sr., owns the beautiful and valuable Donner Meadows. Mr. Marzen offers, if it can be shown that either of the Donner party were located on land belonging to him, to erect, at his own expense, a suitable monument in commemoration of the sad tragedy. As soon as the snow disappears, a party of Truckeeites propose visiting the meadows and definitely locating the cabins. W. G. Murphy, of Marysville, has long contemplated a monument for the cabin in which his family lived, and where his mother perished. The large rock by the side of this cabin has a perpendicular face, which could easily be smoothed down, and with suitable engraving would make a beautiful memorial, which would be strikingly appropriate. W. C. Graves, of Calistoga, is quite familiar with the locations of the cabins, and perhaps can be induced to visit Truckee and assist in selecting the spot best adapted for the erection of the Donner monument.

[The *Truckee Republican* calls for information as to locality of the Donner party; we visited Donner Lake a few years ago, and found the very tree under which the Donner party ate the last meal at the lake, we also hold now a piece of the very tree with initials out in the wood and snow shoes, such as were worn by the party, these are at the FARMER office.—ED. F.]

Fine Arts in Peru.

A recent act of the Administration in Peru has been the issuing of a decree ordering the foundation of a Fine Arts Institution, for the teaching of painting, sculpture, music, declamation and architecture. The purpose of the Government in creating an institution of this kind is to offer a new field to young men, who will thus have the opportunity afforded them of acquiring such knowledge as may open to them a new career.—This measure has met with general favor, and if properly carried out, is expected to prove of great benefit in the work of social improvement in the country.

GOOD NEWS.—American girls are adopting the sensible fashions of English girls at watering places. They no longer wear long trailing morning dresses, which are too delicate for anything but piazza promenades. They don the short oheviot suits, or flannel serge yachting suits, and are ready for archery, tennis, croquet, or a mountain walk. By the sea-shore, when storm signals are out, they have a tweed ulster, a tweed derby, thick boots and a short dress, and defy the weather. Simplicity in dress is considered a mark of good taste.

The municipalities of Prague, Leipzic, Weimer and other foreign cities, have forbidden the wearing of dresses with trains upon the streets, "because of the dust, injurious to the public health, raised by them." What a dust the woman of Boston would raise if the city daddies should issue a similar order.—*Ex.*

Each Number contains THIRTY-TWO PAGES of reading, many fine Wood Cut Illustrations, and one COLORED PLATE. A beautiful Garden Magazine, printed on elegant paper, and full of information. In English and German. Price, $1.25 a year; Five copies $5.00.

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NEILLSON. I shall take every opportunity to recommend and praise your instruments.

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Is 7 Octave. Serpentine Mouldings. Carved Legs, and is the BEST PIANO in the market for the price.

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44:21 SAN FRANCISCO.

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This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It occupying six large buildings with extensive shady playgrounds, covered gymnasiums, swimming pond, etc.

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Miscellany.

Gatherings along the way side,
Floating gems by every tide.

Value of Foreign Coins in United States Money.

In compliance with the provisions of the law which directs that the values of the standard coins in circulation of the various nations of the world shall be estimated annually by the Director of the Mint, and be proclaimed on the first day of January by the Secretary of the Treasury," the following has been published.

Belgium—franc, gold and silver, 18.5 cents.
Bolivia—dollar, gold and silver, 96.5 cents.
Brazil—milreis of 1,000 reis, gold, 54.5 cents.
British Possessions in N. A.—dollar, gold, $1.
Bogota—peso, gold, 96.4 cents.
Central America—dollar, silver, 96.5 cents.
Chili—peso, gold, 91.2 cents.
Denmark—crown, gold, 26.8 cents.
Ecuador—dollar, silver, 93.5 cents.
Egypt—pound of 100 piasters, $4.97.4.
France—franc, gold and silver, 19.3 cents.
Great Britain—pound sterling, gold, $4.86.6½.
Greece—drachma, gold and silver, 19.3
German Empire—mark, gold, 23.8 cents.
Japan—yen, gold, 99.7 cents.
India—rupee of 16 annas, silver, 44.4 cents.
Italy—lira, gold and silver, 19.3 cents.
Liberia—dollar, gold, $1.
Mexico—dollar, silver, $1.015.
Netherlands—florin, gold and silver, 38.5 cents.
Norway—crown, gold, 26.8 cents.
Peru—dollar, silver, 93.5 cents.
Portugal—milreis of 1,000 reis, gold, $1.08.
Russia—ruble of 100 copecks, silver, 74.8 cents.
Sandwich Islands—dollar, gold, $1.
Spain—pesetas of 100 centimes, silver, 19.3 cents.
Sweden—crown, gold, 26.8 cents.
Switzerland—franc, gold and silver, 19.3 cents.
Tripoli—mahub of 20 piasters, silver, 64.4 cents.
Turkey—piaster, gold, 4.3 cents.
U. S. of Columbia—peso, silver, 93.5 cents.

The above rates will be taken in estimating the values of all foreign merchandise made out in any of said currencies, exported on or after January 1, 1879.

TRIPLET MAXIMS.

Three things to love—courage, gentleness and affection.

Three things to admire—intellect, dignity, and gracefulness.

Three things to hate—cruelty, arrogance, and ingratitude.

Three things to delight in—beauty, frankness, and freedom.

Three things to wish for—health, friends, and a contented spirit.

Three things to like—cordiality, good honor, and cheerfulness.

Three things to avoid—idleness, loquacity, and flippant jesting.

Three things to cultivate—good books, good friends, and good humor.

Three things to contend for—honor, country, and friends.

Three things to teach—truth, industry, and contentment.

Three things to govern—temper, tongue, and conduct.

Three things to cherish—virtue, goodness, and wisdom.

Three things to do—think, live, act.

[EDITORIAL.]

WEALTH OF OUR COUNTRY.

The rapid accumulation of gold in the Treasury of the United States now estimated at $400,000,000 with the steady and immense sales of the 4 per cent U. S. Bonds is a clear proof of the rapidly increasing wealth of our Country, in spite of all the cry of "stagnation of trade" "hard times" bankruptcies, etc.

The great facts before us that our *Exports* were *Three Hundred Millions of Dollars* more than our *Imports* for 1878, and the almost certainty of their being much larger in 1879, shows the sources whence comes the gold that purchases the U. S. Bonds, which formerly was sent to Europe for sale.

This vast increase as is shown in two years of over *Six Hundred Millions of Dollars* to our National wealth, is rapidly being felt in the reduced rates of interest, which will soon be shown by an increased desire for investments that will pay more than 4 per cent. This it is hoped will lead our capitalists to turn their attention to our manufacturing interests, ship building, mechanical inventions, Railroads and other internal improvements, for the now very rapidly increasing wealth of the country must be employed, and so great is it that all the Bonds that the United States can offer will be taken, and even then, millions will be left seeking other investments.

A little reflection will readily prove this; the next *three years* our *Exports* will exceed our *Imports* by more than *One Thousand Millions of Dollars*, and the greater portion of this will seek investment, and this is *independent* of the other increase of wealth and increase of capital in our country by manufactures, trade, commerce and home prosperity, therefore we can safely say that the people of England and France purchase and hold all the "Consols" of their own countries, so the people of the United States will soon hold and control in our own country all the "Bonds of the United States" as the safest, best and most certain investment of capital that can be made—and we venture the assertion that within ten years, and even less, *United States Bonds* will command a higher premium than any other Bonds in the world.

Black Ink.

Aleppo galls, one pound; logwood, copperas and gum arabic, half a pound each; water, three gallons. Boil all in the water an hour then strain.

Best Fruit Dryer in the World.

HAMPTON & KELLY

—AND—

KELLY & COLE'S

FRUIT DRYER.

THIS MACHINE DRIES BY STEAM HEAT AND DOES not burn the fruit. It is very economical in its working machinery, and so perfectly simple that every family can use it in their homes; it is also perfectly safe.

In connection with this machine is an admirable GRINDER capable of grinding one bushel of fruit per minute.

The capacity of drying of the SINGLE DRYERS are from 20 to 30 bushels in 10 hours for each machine. Large machines will dry from 50 to 100 bushels in 10 hours.

Orders for these machines, for the present should be sent to Messrs. Kelly & Cole, First and Salmon Streets, Portland, Oregon.

A manufactory of these Dryers will soon be established here, and will be under the superintendance and management of **ALFRED B. COLLVER**, who is the General and Traveling Agent of all these Inventions.

Mr. Collver will have his office in this City a early day—all letters for him can be addressed through the Express or Postoffice to the undersigned, and they will have prompt attention.

ALFRED B. COLLVER.

N B—Letters can be directed to me care of EDITOR FARMER, to whom we are permitted to refer for the excellent quality of our Fruit Dryer. A. B. C.

49:7

John Rodgers & Co.,

GENERAL STOCK AND SALE YARDS,

—AND—

LIVERY AND BOARDING STABLE,

Cor. Market and Ninth Sts.

Hay and Grain at Lowest Market Rates.

FOR SALE.

An Iron-Gray Stallion, 6 years old, 16 hands high, weight 1200 pounds; untrained, can trot close to 2:30; sound, kind and gentle; "Messenger" stock.

—ALSO—

A Black Stallion, "John Wallace," sired by "England Glory," and from an imported Normandy mare of 6 years old, 17½ hands high, 1750 pounds; coal black flowing mane and tail. He won great merit last year by a set of the finest colts of this blood.

—ALSO—

One Black Stallion, 8 years old, 16 hands high, weight 1250 pounds; has a record of 2:38; sound, kind and gentle.

Can be seen at Bulls Head Stables, Corner of Market and 9th Streets.

49:1 JNO. RODGERS & CO.

THE TRALL

Hygienic Sanitarium

No. 8. ELLIS STREET,

SAN FRANCISCO.

Thermo-Electric, Steam, Hot Air and other Baths. Electricity, Swedish Movements, Health Life, Etc.

Healthful Board and Pleasant Sunny Rooms

D. C. MOORE, M. D.,
(Late associate of Dr. Trall.)
Resident Physician and Manager.

MRS. E. D. MOORE, M. D.,
Ladies' Physician and House Superintendent.

49:7

Peterson's

COUNTERFEIT DETECTOR

—AND—

National Bank Note List.

THIS CELEBRATED PUBLICATION OF THIRTY Years standing, one of the best works of the kind known, published by Peterson Brothers, Philadelphia.

Subscription price, monthly..... $1 50 per year.
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LAW CALENDER AND DIRECTORY FOR 1879,

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PENNY STORY PAPER, 607 Sansom Street, PHILADELPHIA, PA.

General Agents wanted in every City and Town.

Strawberry Plants for Sale

TWENTY VARIETIES.

The Rarest and Best.

PRODUCING BERRIES THIS SEASON from the size of a Walnut to that of a Hen's egg.

The varieties offered are new and choice and immediately productive.

Directions for their culture given to all purchasers. For sale at

Farmer Office.

BEST business you can engage in. $5 to $20 per day made by any worker of either sex, right in their own localities. Particulars and samples worth $5 free. Improve your spare time at this business. Address STINSON & Co., Portland, Maine. 47:22

25 NEW YEAR CARDS, with name, 20c. 25 Extra Mixed, 10c. Geo. I. Reed & Co., Nassau, N. Y. 47:1y

AMERICAN Berkshire Record.

Authentic and Reliable Pedigrees

Of the principal families of Berkshire Swine, with dates of farrow, addresses of breeders, etc.,

PATRONIZED BY THE

FOREMOST BREEDERS IN ENGLAND AND AMERICA.

Volume I. contains the standard of Characteristics and Marks of Berkshire Swine, adopted by the National Convention in 1875; and Volume II. the STANDARD OF EXCELLENCE, more recently adopted by the AMERICAN BERKSHIRE ASSOCIATION. In each will be found

Also Valuable Treatises on Swine

The price of Vol I is $3.30, post-paid; that of Vol. II. $5.00, post-paid. Volume I and II will be sent, if ordered at same time, (although both need not go the same address) for $8.00, post-paid, the money to accompany the order.

BLANK FORMS FOR PEDIGREES,

Bound in sets of one hundred, with studs for retaining memoranda, price $1.00 per set. These forms are adapted to general use by breeders of all kinds of farm and domestic animals, and are designed to aid in the systematic preservation of pedigrees.

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These two Essays, for which the Association paid $100 each, and the seven illustration therewith, have been published together in pamphlet form. They will be sent post-paid on receipt of 25 cents.

For further information, read carefully the Third Annual Report of the Association, and the Suggestions, Instruction and Rules therewith, or Address,

N. B.—These Splendid Volumes can be seen at THE FARMER OFFICE.

PHIL. M. SPRINGER, Sec'y,
49:7 Springfield, Ill.

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In connection with the publication of the *Scientific American*, we continue to act as Solicitors for Patents Caveats, Trade-Marks, Copyrights, etc., for the United States, Canada, Cuba, England, France, Germany, etc. In this line of business we have had *thirty-three years' experience.*

Patents obtained through us are noticed in the *Scientific American.* This large and splendidly illustrated weekly paper shows the current progress of Science, is very interesting, and has an enormous circulation. Subscriptions $3.20 a year, postpaid; single copies 10 cents. Sold at all Book-stores and News-offices.

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WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer.

A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to

List of Australian Duties.

Our Merchants and Shippers of Goods to Australia who desire to know the rates of duties to the several Colonies, can find a "List of Duties" of each district at the Office and Reading Room of the CALIFORNIA FARMER, 320 Clay Street, San Francisco.

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Growers and Importers of

GARDEN, FLOWER, GRASS,

— AND —

TREE SEEDS.

SOLICIT Orders for the above from the TRADE, also, *GLADIOLUS* and all other *BULBOUS ROOTS.*

44:15 Price Lists on Application.

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The following valuable new works just received at THE CALIFORNIA FARMER OFFICE, 320 Clay Street, worthy special attention.—

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A most valuable work, one volume, 900 pages, fully illustrated with 200 engravings.

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A most interesting volume of nearly 1200 pages, admirably illustrated; Also, "Science in Story" in five volumes, most admirably written and most inviting to every reader and conclusive in the arguments of every story.

These Volumes are all Edited by Dr. E. B. Foote, and issued by the Murray Hill Publishing Company, of Chicago, Ill., and for sale at the FARMER OFFICE.

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—AND—

JOB PRINTING.

POSTERS, CARDS,

—AND—

CIRCULARS,

PROMPT, CHEAP AND GOOD

AT THE LARGEST PRINTING HOUSE

On the Pacific Coast.

COMMERCIAL

STEAM MAMMOTH

PRINTING HOUSE.

517 CLAY STREET,

FRANCIS, VALENTINE & CO.,

44:1 PROPRIETORS.

all—handsomely got up and finely bound Price, $2.50, worth ten times the cost. 45:21

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—AND—

Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their business.

Gardens and Grounds designed and put in order, and every article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

BOOKS---SEEDS---TREES

All rare and choice things can always be purchased as above.

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE,

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

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RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 6 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED.

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

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A few very fine Patent Bee Hives of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,

320 Clay Street,

SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Liniment for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Liniment is needed, as it has been proved to be the best Liniment known.

FOR SALE,

Wholesale and Retail,

WARREN & CO.,

320 Clay Street,

AGENTS FOR DAVID CLARKE'S REMEDIALS.

ADVERTISERS ABROAD AND AT HOME.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three* or *four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows:—All line advertisements will be ONE DOLLAR for Five Lines, or less, Nonpareil, *first insertion*; larger space, *Fifteen Cents per Line*; each subsequent insertion, *Ten Cents per Line.* This offers the best and most reasonable rates, giving to the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $20.00.

For one-eight of a column, three months.....$15.00 | For one-half of a column, three months 60.00
For one-quarter of a column, three months ..... 30.00 | For an entire column, three months..... 100.00

For a sin le month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable; the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rate

WARREN & CO., Proprietors,
320 CLAY STREET, SAN FRANCISCO.

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill*" this we cannot do without Cash, or a special understanding before hand.

WARREN & CO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, May 8, 1879.

Money and Exchange Tables.

Bkr. on England, new style, long and short	4 87½ a 4 89
Gold, at par	— 1 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	8s 5d a 8s 7d
Value of Club Wheat in Liverpool	8s 1d a 8s 3d.
Value of Wheat in New York, bushel	1 02 — 1 13
Brewers Barley in New York, bushel	60 — 1 00

MONEY AND EXCHANGE TABLES.

The *Money Market* of our city and State is in a peculiar condition, there is plenty of capital, even to overloaded coffers in the hands of bankers and of capitalists, but the difficulty is to know where and how to place it.

The Government of the U. S. has now six *hundreds of millions* in the Treasury, and enough to redeem all the Treasury notes out—and yet the people need this money for business operations but must wait till *Congress* and the U. S. Treasurer makes the next move.

Our Government Bonds are now at a high premium, and stand higher than any Bonds the world over.

The *Money market* of our city and *State* is somewhat mixed up and confused by the late *Tornado* in politics, which affecting all kinds of *business* has affected the money market sensibly, and it will take some time to get the disturbed waters smooth and clear again.

The rates of money is very low in Europe, money is easy in the East, and interest rates as usual here—but none to meet money in general circulation here and will not be for some time to come, probably about "Harvest time."

GRAIN AND FLOUR MARKET.

The *Grain Market* has felt the political avalanche that has checked in a measure all business and sales that were not in fulfillments of contracts.

From April 1st, to this date more than twenty cargoes of Wheat were sent abroad, an unexpected large shipment, the total export of Wheat and Flour since July last will exceed 300,000 tons—this speaks well for hard times.

The rates of *Flour* and *Wheat* at this date is lower than before for some time, and with the prospect of a good crop must rule low, even with all the efforts of Keene and the speculators at the East to carry up the rates.

The price of *Wheat* is still down, and markets dull, there is about a dozen ships on the berth to load with wheat and this moves a little of the supply stock, but wheat is lower here and in England also.

The *Flour market* is none too active and prices low, common brands quite low, the price of extra brands of flour are 1 to $2.50 per barrel less than last year at this time, were it not for a fair export trade, our market would be glutted—about 40,000 barrels have been sent abroad in two weeks, value over $100,000.

The *Barley* market shows a very low figure—and less inquiry at home or abroad, seldom have the figures stood so low down, and brewers' barley ditto, and little call.

The market for all grains very dull—like trade in everything.

Oats, Corn, Rye, and *Buckwheat* not much in demand, receipts more than sales, this dullness will be till the excitement resulting from the elections are over—then we may hope for a healthy and better state of things.

The market for all *Feed stuff* remains with but little change since last report, our figures show how much.

Bran, Middlings, Ground Barley, Corn Meal, Oil Cake Meal, etc., all are as was, nearly

Hogs are still a drug in the market, selling from 3 to 8 cents, a loss to the grower.

The *Honey market* is full up, and prices low, a very large amount of California honey was shipped to Germany last season as is shown by our letter from San Diego—*Bees* was lower.

The *Market for Potatoes* is quite full—prices very low, unusually so—*Onions* are again down to a reasonable figure.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 45 — 1 50
do Choice do.	1 50 — 1 62
do Milling do.	1 62 — 1 65
Barley, per 100 lbs., feed	55 — 62
Barley, for brewing, (Chevalier)	80 — 82½
Rye	85 — 90
Oats, California, per 100 lbs.	90 — 1 40
Corn, do. do.	77½ — 1 00
Flour, Superfine, per bbl	4 00 — 4 25
do. Extra	4 25 — 4 50
Extra Flour for shipping	5 00 — 5 25
Very Extra Family Flour	5 25 — 5 75
Oregon Superfine	4 00 — 4 25
do. Extra for Shipping	4 75 — 5 00
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 20 — 1 25
Bran per ton	13 50 — 14 00
Middlings per ton	17 50 — 18 00
Ground Barley	17 00 — 18 00
	— 30 00
Oil Cake Meal, for feed, per ton	1 75 — 3 00
Beans, per 100 lbs, various	5 00 — 5 50
Beans, Lima	39 — 50
Potatoes, common	1 10 — 1 20
Potatoes, choice	1 25 — 1 40
Early Rose	2 40 — 2 50
Sweet Potatoes	3 00 — 4 50
Onions, new	7 50 — 9 00
Hay per ton, ordinary	11 50 — 13 00
Hay per ton, extra	12 50 — 13 00
Wheat Hay	
Alfalfa Hay	5 00 — 6 00
Straw per ton	

Retail Prices in the Fruit Market.

Our *Fruit Market* shows up now with its spring and summer fruits.

Strawberries very abundant and cheap, Cherries coming in plenty and prices lower, Gooseberries in market, these with our semi tropical fruits make a good showing.

Old Apples nearly gone, Nuts and Raisins plenty.

Apples, per box	75 — 1 50
do. do. lb.	6 — 8
Pears, per box	2 50 — 3 00
" per lb	10 — 12
Figs, dried, per lb	12 — 15
Tahiti Oranges, per doz	20 — 30
Lemons, imported, do.	30 — 50
Limes, do. do.	20 — 25
Pine Apples, each	75 — 1 00
Bananas, per bunch	2 00 — 3 50
California Oranges, per dozen	10 — 40
" Lemons "	30 — 40
" Limes, "	15 — 25
Cherries	10 — 20
Strawberries	5 — 10
Gooseberries	10 — 12
Persimmons	20 — 25
California Walnuts, per pound	8 — 12
Almonds, hard shell, per pound	12 — 15
do. soft shell, do.	16 — 18
Foreign Pecan Nuts	12 — 16
Madeira Nuts	12 — 15
Foreign Brazil Nuts	15 — 20
Filberts	12 — 14
Chili Walnuts	7 — 10
Pea Nuts	8 — 10

Retail Price in the Vegetable Market.

Our *Vegetable Market* shows steady improvement in quality and quantity as the season advances, one great feature in the market just now is the great abundance of Asparagus, never before have we seen so great quantities, or so superior grass and at so low prices. New Potatoes, Green Peas, Rhubarb, all are fine, Tomatoes, Sallads, and all market stuffs are excellent.

Asparagus	1 — 4
Artichokes, (French) per doz.	15 — 20
Tomatoes, per lb	10 — 15
Beets, per doz.	— 25
Broccoli, each	8 — 10
Cauliflower	8 — 10
Cabbages, do.	5 — 10
Carrots, per doz.	25
Celery, do.	75 — 1 00
Celery Root per dozen	75
Cress, per dozen bunches	10 — 12
Cranberries, per gallon	60 — 80
Dried Herbs, per doz.	30 — 40
Green Peas, per lb	4 — 6
Lettuce per doz. bunches	10 — 12
Onions per lb.	15 — 15
Horseradish, per lb.	12 — 15
Okra, green, per lb	— 50
Okra, dried per lb	1½ — 2
Chokes Potatoes	4 — 5
New Potatoes	1 50 — 2 00
Potatoes choice, per 100 lbs	2 — 3
Kidney Potatoes, per lb	1½ — 2
Pumpkins	— 20
Parsnips, per doz. bunches	— 20
Salsify, do. do.	15 — 20
Parsley, do. do.	40 — 60
Pickles, per gallon	6 — 8
Radishes per doz. bunches	3 — 5
Rhubarb, per lb	2 — 3
Squash, Marrowfat	2 — 3
do. Hubbard	8 — 10
Lima, Dry	6 — 8
String Beans, per lb	— 8
Spinage per lb	4 — 5
Salsify, per bunch	— 20
Turnips, per doz	8 — 10
Garlic	15 — 20
Eschalot	8 — 10
Mushrooms	

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea. Our salmon beat the world for this choice fish—some extra fish are now in market.

Salmon have been selling in our markets as low as 25 to 50cts. for a whole salmon, and in Oregon they use salmon to manure their orchards.

Salmon ₱ lb	4 — 6
do smoked new	10 — 12
do pickled, ₱ lb	6 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Smelts, per lb	— 10
Perch do.	— 10
Rockfish do.	— 10
Codfish, dry, per lb	— 8
Herring, fresh, per lb.	— 25
do smoked, ₱ doz	— 12
Tomcod, per lb	— 10
Sardines, fresh, per lb	15 — 20
Solefish, per lb	— 25
Mackerel pickled, each	8 — 10
Shrimps, per lb	12 — 15
Flounders do.	20 — 25
Sea Bass do.	40 — 50
Halibut do.	3 — 4
Sturgeon do.	30 — 40
Turbot do.	2 50 — 3 00
Terrapin, ₱ doz.	— 2 50
Pompoon do.	— 25
King Fish do.	12 — 15
Anchovies do.	2 00 — 2 50
Frogs, per doz	

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market. Oysters are showing nice and fat and the public appetite now craves this delicious bivalve. Every day a grand show in our market. If you desire the choicest of these luxuries, go to Geo. Mayes in California Market.

Oysters ₱ 100 choice	75 — 1 00
Chesapeake oysters per dozen	50 — 75
Crab Fish, per lb	12 — 15
Clams per 100	— 50
Mussels do	— 25
Crabs, boiled, each	— 25
do soft, per doz	— 50

Retail Meat Market.

The *Retail Meat market* furnishes all the choicest kinds at unusually low figures for this season of the year, and thus is an unusual full market.

Porter House	15 — 15
Porter House, extra	20 — 25
Beef, tenderloin, per lb	15 — 18
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	12 — 12
Veal, per lb	5 — 10
do cutlet	12 — 16
Mutton chops, per lb., extra	16 — 12
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	10 — 12
Beef tongues, each	— 75
Pigs tongues, each	— 15
Bacon, California, salt per lb	13 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	13 — 15
Choice hams, Duffield	15 — 15
Whitaker, St. Louis, Mo	15 — 18

Poultry and Game Market.

The *Poultry market* has been over supplied, and prices generally much lower.

RETAIL PRICES.

Ducks tame, each	75 — 00
Geese tame, per pair	2 00 — 2 50
Broilers	40 — 50
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	22 — 25
Pigeons, domestic, per doz	4 00 — 4 50
Hares each	25 — 38
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00

Poultry and Game—Wholesale.

Broilers, per doz	5 00 — 5 00
Large Chickens, per doz	6 00 — 7 00
Hens, per doz	6 00 — 7 50
Turkeys, dressed, per lb	16 — 18
Ducks, tame, per doz	5 50 — 7 00
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Rabbits, tame, per doz	1 50 — 1 75
Squirrels per doz	75 — 1 00

Retail Dairy Market.

The *Dairy market* is very fully supplied—dairymen are now packing down butter—choice roll butter is now selling as low as 21 to 23 to the trade, California cheese is more plentiful and at a lower figure—eggs are plenty and low for the season.

Butter, California, Extra Choice per lb	25 — 30
do. do. for (Cooking) do.	20 — 22
do. do. packed best roll	22 — 25
do. do. Eastern	20 — 25
California Eggs, per doz	23 — 25
Oregon	— 20
Duck Eggs, do.	— 25
Cheese per lb	15 — 20
do. Sage, per lb	25 — 30
Eastern Cheese, do.	25 — 30
Lard, California, per lb	16 — 18
Lard Eastern, do.	— 18
Honey, Comb	12 — 15
do. Strained	8 — 12
Vermont Maple Sugar, per lb.	— 20

Dairy Produce, Eggs, etc. Wholesale.

Butter, California, per lb (Fresh)	21 — 23
do. Packed Roll, do.	20 — 21
Eastern Butter	16 — 20
Cheese, California, per lb	10 — 15
California Eggs, per doz	20 — 21
Eastern Eggs, per doz	18 — 19
Duck Eggs, "	18 — 20
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	13 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging Trade* is a little better and market for grain and wheat bags firm at 9½ to 9¾ cents, late delivery.

There will undoubtedly be enough bags to meet all demand this year, and although we believe there will be found to be more grain on hand than has yet been reported, we shall have bags enough for all.

Messrs. Neville & Co., the extensive bag manufacturers, 33 California Street, can supply our farmers at the lowest rates and on best terms.

Hand Sewed Bags, Standard 22x36 com. prices	9½ — 9¾ cts.
Seconds Hand, Extra	8 — 8½ do
Machine Sewed, 22 x 36	8½ — 9 do
do do 20 x 36	— 8½ do
Barley Bags, 22 x 46	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— 8½ do
Wool-sacks, new	45 — 50 do
do. second hand	30 — 40 do
Potatoe Gunnies, Double Sewed	13 — 13½ do
do. do. Second Hand	10 — 10½ do
Flour Bags, quarters	4½ — 5 do
do. halfs, six qualities	7 — 9 do

Staple Home Products.

Our general assortment of *Home Products* show well, and their general increase show that our State and coast productions is fast stopping importation of many articles, and, because we grow, prepare and manufacture a better quality.

Those are established facts known at home and abroad.

Flax Seed, per lb	2½ — 3
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	3 — 3½
Castor Oil No 1 Diamond in cases, per gallon	— 1 30
" " " barrels "	— 1 05
Castor Oil, No. 2 Diamond in cases per gallon	— 1 20
" " " barrels "	— 85
Linseed Oil, Boiled	— 75
do. Raw	— 72
Lucca Oil	— 55
Hops, California	8 — 10½
Alfalfa	10 — 12½
Mustard Seed	2 — 3
English do.	4 — 5
Canary Seed	4 — 5
Coriander Seed	8 — 10
Broom Corn	4 — 6
Bees Wax	24 — 26

California Leather Market Report.

The market for *Hides, Leather* and *Tallow* all feel another depression resulting from the long embargo upon trade by the tornado of politics, now we hope for better things.

California Sole Leather	26 — 29
do. Harness do.	28 — 30
do. Skirtings,	34 — 37½
Bridle Leather	15 — 22
Rough do. Oak Tanned	50 — 1 00
Waxed Calf Skins	30 00 — 55 00
do. Kips do. per dozen	13 — 15
do. Leather per foot	

Wool, Tallow, Hides, Etc.

The *Wool market* begins to show the incoming fleeces of the spring clip—some 15,000 bales have come to market the two last weeks, and a portion of it very fine—there have been some good sales, about 750,000 pounds recently, from 10 cents upwards, superior wool brings good prices.

Our sheep men are not as careful as they should be—too much dirty wool—very choice clips would command 20 cents—while mixed and dirty sell for 10 to 12.

Wool, Spring Clip	12 — 15
do. Choice Extra	16 — 18
Fall Clip	14 — 16
Oregon Wool, per lb	18 — 22
Medium, bright	12 — 14
do. Burry	8 — 11
Goats' Wool (mohair)	20 — 26
Dry Hides, per lb	14 — 15
Green Salted, per lb	7 — 9
Deer Skins	60 — 1 00
Sheep Skins, wool on	25 — 75
do do. plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow, various grades	5½ — 6½
Tallow, refined	7 — 8

Average Slaughtering Prices.

The *Wholesale Meat market* continues over supplied, and at low figures, the quality of the meats in our markets are always A No. 1—this week prices are low.

Beef, American, 1st. quality	6 — 7 cts
do. do. 2d. do.	4 — 5 do.
do. do 3d. do.	3½ — 4 do.
do. do	6 — 7 do
Veal	4 — 4½ do
Mutton	5 — 8 do
Lamb	4½ — 5 do
Pork, Undressed	6 — 6½ do
do. Dressed	

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED ACCOMMODATIONS for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU March 17th, and every fourth week thereafter.

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports; also, HAVANA and all WEST INDIES ports on 5th and 20th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

47:5

THE "ORMSBY," CARSON CITY, NEVADA.

FIRST-CLASS IN EVERY RESPECT.

HEADQUARTERS FOR ALL STAGE LINES OUT OF CARSON CITY, AND FOR LAKE TAHOE TRAVEL.

John T. Pantlind, Proprietor.

49:7

AUZERAIS HOUSE,

SANTA CLARA STREET, SAN JOSE.

S. W. CHURCHILL, Proprietor.

Auzerais House Coach and Carriages always in Attendance on arrival of trains.

Central Pacific Railroad.

Notice to Shippers.

Please take notice that this Company will maintain, for transaction of business in Oakland, TWO STATIONS, viz:

MARKET STREET AND SIXTEENTH STREET

and to avoid delays we would request shippers to state on receipt, name of station to which freight should be delivered; as in the absence of same all consignments will be taken to Market Street.

J. A. ANTHONY,
Agent.

SAN FRANCISCO, Jan. 13, 15, 1879.

BEAUTIFUL FLOWERS
IN A GREEN-HOUSE AT YOUR DOOR

We will send free by mail, and guarantee their safe arrival in Good Condition, our choice

12	ROSES,	12 sorts, $1
20	VERBENAS	" $1
10	Basket or Bedding Plants	10 " $1
10	GERANIUMS	10 " $1
10	CARNATIONS	10 " $1
10	Tuberoses, all Pearl, large and double	$1
12	Gladioli, all Flowering it the	$1
2	Camellia Japonicas and 2 Azaleas	$1
Hundreds of others—	NEW AND RARE!	
CHEAP, and many		

For your choice of varieties, see our 80-page Catalogue, free to all. We also offer an immense stock of Fruit and Ornamental Trees, Evergreens, Small Fruits, Bulbs, etc. Catalogue with Colored Plate, 10c.

6	Hardy Flowering Shrubs	6 sorts, $1
10	Currant Bushes	" $1
25	Raspberry Plants	" $1
50	Strawberry Plants	" $1
8	Grape Vines	" $1
50	Sweet Chestnut or 50 Catalpa Trees	$1

20th Year. 18 Greenhouses! 400 Acres.

STORRS, HARRISON & CO., Painesville, Ohio.

49:1 41

BEST business you can engage in. $5 to $20 per day made by any worker of either sex, right in their own localities. Particulars and samples worth $5 free. Improve your spare time at this business. Address Stinson & Co., Portland, Maine.

47:52

C. P. R. R

COMMENCING

SUNDAY, JUNE 6th, 1875.

AND UNTIL FURTHER NOTICE.

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma. (Arrive 5.55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12.56 P. M. (Arrive 5.35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 5.55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way stations. (Arrive 9.35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Calisaht and Los Angeles. Also at Niles with Train arriving at San Jose 6.55 P. M. (Arrive 12.40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11.10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily. (Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND

"Daily"—7.00, 7.30, 8.00, 8.30, 9.00, 9.30, 10.00, and 11.00 A. M.; 12.00, 1.00, 2.00, 3.00, 3.30, 4.00, 4.30, 5.00, 5.30, 6.00 6.30, 7.00, 8.10, 9.20 and 10.30 P. M.

"Daily, except Sundays"—8.10 A. M. and 12.45 P. M.

"Sundays only"—10.30 and 11.30 A. M., 12.30 and 1.30 P. M.

FROM SAN FRANCISCO TO ALAMEDA

"Daily"—7.00, 8.00, 9.00, 10.00, A. M., 12.00, 2.00, 4.00 5.00 6.00 and 10.30 P. M.

"Sundays only"—11.00 A. M., and 1.30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7.00, 9.00 and 10.00 A. M., 5.00 and 10.30 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily" 7.30, 8.30 and 9.30 A. M.; 1.00, 3.20, 4.30, 5.30, 6.30, 7.00, 8.10 and 9.20 P. M.

"Daily, except Sunday" 8.30, 11.00 A. M. and 11.45

"Sundays only"—10.30, 11.30 A. M. and 12.30 P. M.

FROM BROOKLYN TO SAN FRANCISCO

"Daily" 6.40, 7.40, 8.40, 9.40, 10.40 A. M. 12.40, 2.40, 4.40, 5.40, 6.40, 7.50, 9.00 and 10.10 P. M.

"Daily, except Sundays"—5.10 and 5.50.

"Sundays only" 11.40 A. M., and 1.25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7.00, 8.08 and 9.00 A. M.; 3.00, 3.58, 5.00, 6.08 and 7.00 P. M.

"Daily, except Sundays"—5.00, 5.40, 11.30, A. M., and 1.30 P. M.

"Sundays only"—10.00, 11.00 A. M., 12.00 and 1.00 P. M.

FROM FERNSIDE TO SAN FRANCISCO

"Daily, except Sundays"—8.55, 8.00 and 11.05 A. M., 3.50 and 6.05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6.50, 7.20, 7.50, 8.25, 8.50, 9.20, 9.50, 10.50 and 11.50 A. M.; 12.50, 2.50, 3.20, 3.50, 4.20, 4.50, 5.20, 5.50, 6.20, 6.50, 7.20, 8.00, 9.10 and 10.20 P. M.

"Daily, except Sundays" 5.20 A. M. and 1.50 P. M.

"Sundays only" 10.20 and 11.20 A. M., 12.20, 1.20 and 1.35 P. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad

NORTHERN DIVISION

SUMMER ARRANGEMENT.

Commencing Monday, April 21, 1879.

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows

8.20 A. M., *Daily* for San Jose and Way Stations. Stages for Pescadero (via San Mateo) connect with this train only.

9.30 A. M. *Sundays only* for San Jose and Way Stations. Returning leaves San Jose at 6 P. M.

10.40 A. M. *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Salinas, Soledad, and all Way Stations.

AT PAJARO the SANTA CRUZ, R. R. connects with this train for Aptos and Santa Cruz. At Salinas the M. & S. V. R. R. connects with this train for Monterey. Stage connections made with this train. (Pescadero Stages via San Mateo excepted.)

Parlor Car Attached to this Car.

(SEATS AT REDUCED RATES.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, Pajaro, Hollister, Tres Pinos and principal Way Stations.

On SATURDAYS only, commencing May 10th, the Santa Cruz R. R. will connect with this train at PAJARO for Aptos, Soquel and Santa Cruz. Returning, passengers leave Santa Cruz about 4:30 A. M. Mondays (breakfast at Gilroy), arriving at San Francisco at 10:00 A. M.

SPECIAL NOTICE—On SATURDAYS ONLY, commencing May 10th, the run of this train will be extended to SALINAS—connecting with the M. and S. V. R. R. for MONTEREY. Returning leaves Monterey MONDAYS (breakfast at Gilroy), arriving at San Francisco at 10:00 A. M.

3.30 P. M. *Sundays only* for San Jose and Way Stations.

4.26 P. M. *Daily Sundays excepted* for San Jose and Way Stations.

5.00 P. M. *Daily Sundays excepted* for Menlo Park and Way Stations.

6.30 P. M. *Daily* for Menlo Park and Way Stations.

Excursion Tickets at Reduced Rates

To San Jose and intermediate points, sold on Saturdays, and Sunday morning, good for return until following Monday inclusive, as follows

Baden	$0 50	Fair Oaks	$1 50
San Bruno	0 50	Menlo Park	1 60
Millbrae	0 65	Mayfield	1 75
Oak Grove	0 90	Mountain View	2.00
San Mateo	1 10	Lawrences	2.25
Belmont	1 25	Santa Clara	2.50
Redwood	1 40	San Jose	2.60

Also, EXCURSION TICKETS to Aptos, Soquel, Santa Cruz and Monterey, sold on Saturdays only—good for return until the following Monday inclusive.

SECOND-CLASS FARE.

Between San Francisco and San Jose, - - $1.00

A car with Sleeping Accommodations, constructed expressly for this travel is attached to Freight Trains, leaving San Francisco at 4:00 A. M., and San Jose at 8:30 P. M. (daily Sundays excepted).

A. C. BASSETT, Superintendent. H. R. JUDAH, Asst Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 11.00 P. M. daily, and making close connection at GOSHEN for Sumner, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton, Colorado River and MARICOPA. (156 miles east from Yuma.)

25 NEW YEAR CARDS, with name, 20c. 25 Extra Mixed, 10c. Geo. I. Reed & Co., Nassau N. Y.

47:1y

1854. 1879.

THE CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FIFTH year with 1878, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD of the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on this Coast—this was at Sacramento in the year of 1852, and also the GRAND FAIR at San Francisco in 1853—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

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VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, MAY 29, 1879. NO. 10.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

No. 320 Clay St., (up Stairs) Below Battery,

SAN FRANCISCO.

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EUROPEAN.

From our Special Correspondent.

PARIS, February 27, 1879.

DAIRY COWS AS MILKERS.

Dr. Estein, of Bonn, draws attention to some facts connected with dairy stock, that is, of cows, viewed as machines for transforming raw material-food, into milk. He lays down, that the milk yielding quality of cows, is not peculiar to any race, so much as that the mean yield between breeds, is different. A good milker may be common to any race. It appears that a M. de Kappen, near Paderborn registers every fortnight the weight of each animal, and the quantity of milk it has yielded—testing thus the ratio between secretion and flesh. Now the digestive aptitude is proportional to this live weight, and the function of the mamiferous organs to the quantity of nutrive elements conveyed to them by the circulating blood. The average weight of the 30 cows, is 11½ cwts., and the daily yield of milk over 11½ quarts, or 773 quarts per year, for every 2 cwts. yielded 1,286 quarts of milk, per 16 stones weight, while another of 13½ cwts., gave but 398 quarts, per the 16 stones. Here the evidence is striving, that the difference depends not on race, though the herd is Dutch, but on the formation of the mamiferous organs. Further: the relation between the yield of milk and its richness, augments with the abundance and superior quality of the ration; the appetite of the animal thus becomes the test. Now as it clearly requires more food to support an animal of 13½ cwts. and yielding less milk, than one of 13½ cwts. producing more, the latter must be the more remunerative machine for transforming food into milk.

MANURES—THEIR VALUE.

Street-sweepings form a manure of an uncertain importance, but in Paris, that which is produced in the vicinity of the markets is more valuable. At Dunkirk, the refuse of the streets is mixed with stable manure, and sea sand, the mass being daily wetted with urine and feculent matter; its wholesale price is 2½ francs per cubic yard, or ton, the contractor re-selling it to farmers for 4 francs. As a general rule not more than 50 per cent. of street manure is valuable. Professor Henrich of Rostock, has experimented with six different kinds of nitrogenous manure on rye, the soil operated on being deficient in azote. The same quantity of nitrogen given in spring to the several plats, under the form of fish guano, powdered horn, blood, and nitrate of soda, have produced the same effect; but have been less efficacious when in the form of sulphate of ammonia, or powdered flesh. The influence of all the manures was excellent on the grain, thus contradicting a common belief, that it is the straw which is influenced. When there is too much fat in an animal manure, its azote is diminished. In the present experiments, nitrate of soda proved the best manure, and in addition, was the least costly. M. Ladureau's experiments with flax are interesting; the most lucrative yield of flax is that from a manure uniting azote, phosphoric acid, and potash; the fibre though not so abundant, will be of superior fineness. Nitrate of soda does not produce much effect, flax requires very little soda, but much potash, and it has not the power to replace, like beet and some other plants, potash by soda. In the north of France and in Belgium, the plan is therefore bad, which consists in dosing, more or less strongly, with farm-yard manure, guano, oil-cake, animal refuse, and similar nitrogenous manures, soils intended for flax. When the land is of ordinary richness, 2 or 4 cwts. of the salts of potash and of magnesia, sown in spring will suffice.

HOP CULTURE.

It is anticipated that the new commercial treaties will give an impulse to the cultivation of hops in this country: France has about 9,000 acres under the crop, which sells at 70 francs the cwt. Twenty years ago the price was from 200 to 400 francs.

Cabbage is liable to a well-known disease in the roots, called fingers and toes, or club root: it is not very general in France, but in the neighborhood of St. Petersburg it is a veritable plague. M. Woronin has devoted three years to the study of this disease, which he calls "hernia," it is produced by a microscopic parasite, and develops with greater rapidity on moist, than on dry soils; radishes; turnips, and other cruciferæ are liable to be attacked by the parasites, which, quitting the excrescence on the root, seek refuge in the soil, till the occasion offers to feed on another root, irrespective of age. Burning the diseased roots, and changing the crop for a few years, are the proposed remedies; cutting the club, employing soot, etc., are useless.

[CONCLUDED]

Home Correspondence.

THE GREAT YOSEMITE VALLEY.

ITS RESPLENDENT GLORIES—THE SEASON OF TRAVEL—THE COMING SABBATH SCHOOL GATHERING—ONE THOUSAND IN THE VALLEY.

YOSEMITE VALLEY, May 15, 1879.

COL. WARREN—*Dear Sir*

Since I wrote you last, the dark and freezing shadows of the winter solstice have passed away, and the genial rays of the vernal sun have warmed into life and given a new birth to the dead beauties of last year.

Yosemite is now resplendent with the emerald robes of spring, and carpeted with flowery mosaics. The melting snow on the mountain heights has swollen the various falls to their full volume of rushing, foaming waters, pure and white as the driven snow from whence it comes. The clouds of mist and spray arising from the seething, boiling cauldron of troubled waters at their base are illumed by the cloudless sun and adorned with a glory of prismatic splendor.

All the different hotels are now open for the reception of the numerous guests which are daily arriving by the four different stage routes. All that come with one accord exclaim, that the half had not been told them, and only regret that they cannot stay longer, for in no other parts of the world can so much magnificent scenery be seen in so small a focus. Carriages for the roads in the valley, and saddle horses and guides for the trails to the upper heights, and points of interest are in abundance, and every one is striving to please and supply the wants of tourists with courtesy and dispatch.

The contractor to build the undenominational church for the Sunday School Association here has commenced work and expects to have it ready for formal dedication by the sixteenth of June next. It seems to me almost like sacrilege to build a church within the portals of this the grandest of all God's temples. It is like building a toy church within the walls of St. Peter's cathedral at Rome. But it will clearly show the contrast between the frail and puny works of man, as compared with the mighty grandeur and magnificence of the works of God, and I hope it will do good.

In the late great contest for and against the new Constitution, I see that you labored heroically for the true and best interests of California, as you always have done, and you are entitled to the gratitude of all who love true freedom. But the news comes to us that the great voice of the people is in its favor. This falls like the foreboding shadow of a great calamity on the true votaries of a free government. May God forgive those who by their avarice may have helped to create and bring about this frenzied panic among the people. Thousands, lured by falsehood and deception, have voted for this great fraud who ought to have known better. May God and Freedom forgive them, for they know not what they have done. They have helped to forge shackles, which, when when the opportunity is brought about, will be made use of to disfranchise and enslave the citizens of the State.

In breaking up the unity of the State control of our public schools and putting them under incompetent control, it shatters the very foundation of our republican government, whose crumbling ruins will some day crush both friends and foes alike. All energy is now paralyzed. Industry, wealth and enterprise stand appalled with fear, not knowing whither to flee for safety. The genius of Freedom stands bowed, like a weeping Niobe, sick and in sorrow, from the wounds received from the stricken serpent, which she in pity and charity took to her bosom and warmed and nourished into life. Do not disturb the sanctity of her grief, while she communes with her votaries and her God.

Now, let the people be vigilant and watchful, cease beating into pruning hooks the old swords which have once done battle for Freedom. Send *good*, and *true*, and *wise* men to our Legislative Halls, to try and get this new organic law amended and pruned of its worst features and avert if possible the threatened impending ruin. If successful, then rejoice and thank God. If not!!——

My old friend; will you pardon me if I try to give you a rough pen sketch of the marvellous *vision*, morbid, though it may be, which forces itself unbidden upon the tablet of my mind? If NOT, then will the genius of Freedom, clothed in the full panoply of war, arouse in her might, with a terrible resolve. The lightning flash of her falchion will electrify the whole Republic. Her voice, ringing like the clarion notes of a silver bugle, will be heard throughout the land, crying

"Rally round the flag boys, rally once again."

Then will the Pacific send greeting to her sister, the Atlantic. The Sierra Nevada mountains give the alarm to the Rockies, the Alleghanies, and the White mountains. Shasta, with her snowy crown and crystal banner will signal to her brothers Rainier and Hood, with their icy armor and fiery hearts. Fremont, Long, and Pike, will send willing response to Whitney, Lyell and Tyndall.

Then shall be heard a murmur throughout the land, which swells to a great noise unheard before. Not like the ceaseless roar of the storm driven ocean, as her dying billows roll in foaming battalions upon a rock bound shore. Neither can it be compared to the moaning howl of the mountain storm, as it battles with the struggling, reeling ranks of giant forest trees, which creak and wail as they cling to the mountain sides for foothold and life. Nor like the appalling sound which swiftly heralds the desolating earthquake; but more like all combined. In the waving lulls of the raging tumult may be heard the voice of a chieftain, re-echoing the patriotic war cry of the Pacific's once illustrious orator, statesman and warrior, whose immolated bones now lie in silent repose upon the summit of Lone Mountain. "Years, years ago, I took my stand for Freedom, and where the feet of my youth were planted, there my manhood and my age shall march." And from the ranks a medley of confused refrains fill the air, such as

"Rally around the flag boys, rally once again."
"Glory, glory, Hallelujah; true men are marching on."
"Hurrah, hurrah, we bring the Jubilee."

Soon the smoke and dust of the battling hosts fill the air and darken the noonday sun. In trembling fear the country awaits the result. In time, silence reigns. Gently as by the fanning breeze of hovering wings, and the moistening showers of the falling tears of the angels of peace and mercy on their mission of love, the dust and smoke of battle subsides and drifts away, and the field of carnage is lighted up to view. The awful scene of destruction and desolation I will not attempt to portray. The cohorts of despotism and communism; the enemies of Liberty are either dead or fleeing for safety. Peace once more reigns. But, lo! upon the ramparts heights, appears a NEW BANNER,

Upon whose field of lustrous sheen,
A new and strange device is seen,

Emblazoned in a halo of resplendent glory, and all, encircled within an eliptical cordon of golden stars; multitudes are crowding forward to enlist in the ranks of its numerous votaries, who wear the badge of wisdom as a visor to their helmets but only those, *long tried*, and who could READ the strange device, and give the true interpretation thereof, were qualified, or allowed to enlist, or have a voice in its protection.

Surrounded by his officers of state, and his counsellors, stands the bearer of the new banner, upon his broad and ample brow the great Jehovah has set his seal of knowledge, and his face is radiant with benevolence and love. Upon his left stands the genius of Freedom clothed in the garments of Peace. On the right stands Wisdom with a golden CROWN; upon its broad and burnished diadem, set in pearls and diamonds, rubies and sapphires are the seals of all the States, and the seals and insignia of all the different guilds and industries of the nation. And wisdom places this crown upon the head of the Ruler of the Republic, the NATION of North America. The genius of Freedom responds, "*so mote it be*," and all the multitudes cry *amen*. The vision ends, and I go to rest. Farewell.

Yours sincerely,

GALEN CLARK.

OUR EXTRA EDITION.

THE GREAT YOSEMITE.

BIG TREE AT OAK FLAT.

INSPIRATION POINT.

THE INCENDIARY.

With what dread and horror all good people view the midnight *Incendiary* who goes out with torch in hand to burn our dwellings, destroy our property and peril all the interests of life; for such a malignant criminal our *Laws* fix a dire penalty which on conviction the wrong doer must pay—for *Justice* demands it.

But we ask, have we not those in our midst who are incendiaries of *another kind*, who, though they carry no torch at midnight to burn, rob and destroy, yet who are ever on the alert with venomed tongue, glibe pen and with printed fire brands scatter far and wide those slanderous stories against our public men, against our Institutions, against our Internal improvements and thus check progress, stop enterprises, destroy public and private credit, and also create fear and alarm in the public mind that is destructive to all the business enterprises of the day.

During the late political Tornado that has swept over our State what a mass of this kind of incendiarism has been scattered far and wide to the great injury of our State and all its best and highest interests.

The gross slanders and vile attacks upon the great Railroad enterprises of our State and the Managers of the same, have been of a most malignant character, and these against our institutions that give employment to more than *ten thousand laborers*, and scatters tens of millions of dollars over our State annually; it is certainly much to be regretted that by such incendiary acts of individuals and some Journals, a portion of our farmers and laborers have been induced to join in this hue and cry against what is termed the "Great Monopoly," and yet we would ask in all earnestness what could our farmers, our Grain growers, our Fruit raisers, Wool and Hop growers, our Wine makers and all our producers do were it not for the "Railroads" of our State, by means of which their vast products are brought to market, and again sent abroad to all the Eastern markets, to relieve us of this vast surplus, and yet the same cry of *Monopoly!* MONOPOLY!! why these very communistic cries come from those who now pay a freight of only *one-third*, and in many cases only *one-quarter* of the rates paid in years gone by.

There is also the same cry against banks, capitalists and monied men, because they are *rich* and have money, while the rates of interest have been steadily coming down from 3 to 2 and to 1 per cent. until now the rates are only from 6 to 9 per cent. and even millions loaned on U. S. Bonds at 4 per cent.

As long as these incendiary acts are being carried on by individuals, by parties or by the press, the very spirit of *self-protection* will cause a contraction of confidence and of business enterprises, and the only way to hope for *better times* is to crush out, drive out, and frown down that fearful spirit of communism and agrarianism that now paralyzes the business enterprises of the day, and this can be done by our leading merchants, bankers, ship owners, manufacturers and noble public men, uniting in a strong phalanx, as a Committee of PUBLIC SAFETY that shall crush out the *wrong* and restore the *right*, and by such a union elect high minded, responsible men only to all places of honor and trust, at the same time casting aside forever all political schemers and propertyless men—such a measure will be the salvation of our State and we believe the feeling now is that upon such action and upon the character of the next Legislature depends the future welfare of our State.

OUR ILLUSTRATIONS.

We present above two of the most striking views connected with the famed Valley of Yosemite.

The first as shown above is the coach fully loaded, passing through the "Big Tree," the diameter of this tree was over 40 feet—the stump as now standing, stripped of its bark, measures 30 feet 6 inches, and is to-day one of the largest and most remarkable trees of the world.

The second view shown above is "Inspiration Point" and from its height looking down into the Valley is a noted view, in unsurpassed wondrous beauty on the Globe.

Inspiration Point gives to the tourists a conception of the wonders he is soon to see and enjoy.

The Letter on this Page from our esteemed Correspondent from the Valley will give the reader considerable "inspiration" for it is full of the inspired grandeur which that writer enjoys all the time.

While these Illustrations give but the mere outlines of the scenes, all must remember that there is no artist or writer that can describe or paint the full glories of this most gorgeous Valley.

We shall in future numbers give special sketches of the scenes, visitors, hotels and most noted spots in the Valley, and the routes to and from there.

University of California.

This Head Quarters of Learning under the patronage of the State and Nation announces the NEW YEAR for their work on the Examination Day, as will be seen by the Advertisement in our Columns and to which public attention is called.

The Regents of this College are now making every exertion to make this Institution prosperous, and to this end they have the good wishes of all.

We return thanks to the Committee of the "First Cavalry Battallion" for their courtesy in sending us the invitation to their festivities last week, at Alameda.

We return thanks to the New York Board of Trade for Documents on Railroad matters of public interest.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have grain to sell and to keep

HOW WE SAVED THE OLD FARM.

CHAPTER VII.

All this time we had been looking for Mrs. Giles to come up to make us that call, and mother had planned what she would show her, and what she would give her; so, when Clarence, after supper, announced his intention of going down to see if he could get Bill to come up next day to help about fixing the barn floor, mother told him to ask her to come with him, and spend the day with us, and he returned with the news that they would do so. And in the morning they came, Bill carrying the baby, a hearty-looking girl of a year old, and "Liza," as Bill called her, leading a boy of about three years. We had never seen Bill's wife and children, and I looked at them with some curiosity. She had on a faded dress of some woollen material, evidently cut and fitted for her by an experienced hand, but sewed by herself, or some one who had little skill with the needle. Seams were drawn and puckered out of all shape or into all shapes but the right one. Buttons were fastened on the front for ornament, but not for use, as no button-holes had been made to correspond, and pins fastened the front together. A cheap shawl of gay colors and an expensive bonnet of a style a year or two old, which looked as if it had been sat down upon more than once, were her outward adornments, while, upon their removal, a variety of cheap jewelry was displayed. The children were arrayed in a cheaper style of garments, the boy having a jacket which I thought had been presented to her by some one whose boy had outgrown it, and a pair of pants which she had evidently fashioned herself, judging by the cut and sewing of them, out of some cheap material. The pants and stockings did not meet, and the poor child's knees looked blue and half-frozen, at sight of which my mother could not help exclaiming; a hat which she said was "like Bob's dog—his best dog, and all the dog he had," and a pair of good, stout shoes completed his outward attire, while the baby, a little to my surprise, had on a neat and pretty dress of calico. She explained this by informing us during the day that one of Bill's cousins, who came down to see them a few weeks ago, had made the dress and sent it to her. She told much the same story that Bill had told at the hen-house, and spoke of her deficiencies in a way that led us to hope that she would willingly learn better if she had an opportunity. As a consequence of her freedom in speaking, my mother spoke to her more freely in regard to the faults of her dress than she was in the habit of speaking to people about their faults. She showed her how she made her yeast of potatoes and flour, and put up a large bottle full for her to take home with her to start some with at home, also how the bread was made with it, and the milk-biscuits for tea. She also gave her a hint about the preparation of that staple New England dinner, a "boiled dish" of beef and vegetables, and instructed her carefully in the art of making light molasses gingerbread, which we all thought was better than any kind of expensive cake. I thought, and still think, that my mother could make the best gingerbread I ever ate, and it was both cheap and wholesome, two things which are much in its favor. She showed her also about the faults in her sewing, and lectured her about those faulty seams, and the pinned dress without button-holes, almost as severely as she would have lectured me for the same faults. From some old bits of woolen clothes she cut some leggins to cover that boy's knees and thin stockings, and some mittens for his hands, and I was set to sewing them up, and putting buttons and button-holes to the leggins.

The boy was like most boys of his age, full of play and mischief, and I soon noticed that he did not mind her at all. If refused anything that he called for, it usually ended by his setting up a yell that would not let us hear anything else until he received it, or got a passionate blow on the head that made the uproar worse for awhile. I think before night I received permission to visit the barn, which I had been longing to do all day, on purpose that my mother might point out to her some of the faults in the management of her children, for it was a different task to speak of those faults than to correct those which were confessed, and which Mr. Giles had come to ask for instruction upon. But I am confident that what mother said was well received, and I hope it bore fruit in time, though firmness and patience, which were what she most lacked in governing her children were not to be acquired in a moment, and even a three years' old boy or a babe in arms knows when they can conquer by persistence, as well as children of larger growth, and it would have taken long to eradicate from those children the memory of the many times when, by screaming and crying, they had forced the mother to yield to them.

At the barn I found everything going on well under Bill's directions. Several loads of earth had been taken out to add to the compost heap. New sticks had been put under the floor where the old ones had decayed, and in some places supported by stone walls built for that purpose. The stone was taken from the nearest wall, "for," said Clarence, "I can replace the wall when I plough in the spring better than I can stop to dig stones now." The floor was laid in such a way that the boys could easily take it up to put in the sand under it when they should be ready to do so, and before night it was finished, and some alterations made in the arrangements of the mangers from which the cattle and horses ate, so that they could be more easily cleaned out of all that the animals refused to eat, and also to bring them up nearer to the position in which a cow naturally stands, for although a cow feeds in the pasture with her nose level with her feet, she cannot do so as well when chained up by the neck. Rough but strong partitions were put up between the heads of the animals to prevent them from stealing food from one another, and a plan for a place for the expected calves, upon the opposite side of the threshing floor, was contrived for the boys to fix on some rainy day or when they were ready.

Before Bill and Liza went home mother offered to pay him for his day's work, for, she said, she could see the necessity of fixing the stable floors, and was willing to pay for it. "It is not like the hen-house work, which is an experiment of Clarence's, and I dare not risk money in experiments, if he risks his labor," she said. But Bill would not accept anything, saying that the bargain beforehand was that she was to teach Liza, and he was to work to pay for it. After a hearty supper, Clarence carried them home, and more than one bundle in the wagon besides, which mother had packed. Mother was saving, for she had learned to be so in the hard school of poverty, but she could give in consequence of it many things which were of value to the recipients greater than to herself. And, as I have said, such neighborly acts were current coin in Brookfield.

All this time the sitting of hens at the new hennery had been going on at such a rate that the squire's five dozen per week were not enough, although, at first, they gained upon us, and Clarence was obliged to send word that he could use more if he could have them. Every day the hens were taken off and the eggs examined, and if one was broken in any nest the rest were carefully washed in warm water and replaced in the nest. When the time approached for the first sitting to come off in a few days, they were sprinkled with water every day to soften the shell, and one morning I was invited up to examine our first Brahma chicks. There were twenty-six of them, one hen having hatched every egg, and the other eleven, all as white as the snow which lay on the ground outside. They were equally divided, and the nests carefully cleaned out and supplied with clean straw, and they were left where they were. Luckily it was the last snow of the season, and was rapidly melting, and before night the boys had fixed a place out of doors in front of the hen-house (on the south side) very much like a hot-bed frame, where the hens were placed in coops and the chickens allowed to run out in little yards under glass, the remainder of Bill's windows being used to cover them. Here the next day the hens and chickens were removed after the sun came out bright, but at night were put back into their nests inside; and in this way was each successive lot taken out, in very warm days the sash being removed in whole or in part during the warmest part of the day to gradually accustom them to the air. After the first four hens had hatched, the rest, which had been set in pairs, were taken off two at a time and all the chickens placed under the care of one, while the other was carried back to the other hen-house, where she was soon laying again. When the coops were all filled, the oldest were turned out from under the glass, being then so large as to be in no danger from the weather, which by that time had in fact got quite warm. But before that time, mother and I had been called out to the piggery on two different mornings to see the little white pigs that were there, seven in one lot and eight in the other, and they were all doing well. And they ought to if care could make them thrive, for the boys visited piggery and hendery a dozen times every day, though their stops were always short, for they were busy all the time. And I was often with them, for I felt as much interest in the farming as if I had been a boy myself, and but little was done that I did not know about and know the reason of, if I could get them to explain it to me.

When the little pigs were about two weeks old there was a little calf at the barn, and I so much admired it that I regretted that we could not keep that and get the one from the squire's too, but when it was two days old the boys loaded it into the wagon and carried it off, bringing back when they came another of about the same age, but much smaller and leaner-looking, in spite of its having come from one of the squire's fat cows. But it was pure Alderney, and its delicate fawn color and white, its fine head and large, beautiful eyes so much resembled my idea of a young deer that I was quickly reconciled to its lack of size. They fed it on new milk a few days, putting their hands into the pan of milk and letting it suck the finger. I was allowed, as an especial favor, to offer my finger for that purpose, but I soon found its teeth were so sharp that I was contented to look on without taking an active part. In a few days, however, it knew enough to drink the milk without the finger being in its mouth, and then a part sweet skimmed milk was substituted for the new milk, and when it was two weeks old it was having only skimmed milk, the skimmed being carefully warmed to the temperature of milk from the cow. But by that time another one was there, another change having been made with the squire, and the same progress was gone through with for that, and more than that, there were too little lambs. They were each one of a pair of twins from the squire's sheep, and he said he had rather have one good lamb than two poor ones on one sheep, so he asked Clarence to take them away, telling him that they were easier to raise by hand than calves and were of his choicest breed of South Downs, which was why he preferred to keep only one on a sheep. How rich we felt! two calves, two lambs, fifteen pigs, and over an hundred chickens already, and many more in prospect.

Although the care of all this riches took up considerable time, the boys were busying plowing and drawing out manure, and getting ready for planting; and mother and I had the care of the milk and making the butter. Clarence the last time he went to the squire's brought home a patent churn, which he borrowed there, it being one that was not need because it was too small for his great dairy, but it was large enough for our four cows. With this, one of the boys would churn in the morning before going to the field, saying it was nothing but fun beside the labor of our old dash-churn. The butter was light colored yet, but it showed the effects of the meal which Clarence was feeding, and we were willing to put it away for our own use, that we might have the more to sell when it got of better color, for we knew that yellow butter would sell better than white, even if they tasted just alike. And we were determined to allow ourselves nothing more than the comforts and necessaries of life until we were sure that we could do so without running in debt for them.

[TO BE CONTINUED.]

Exporting Meats to England.

During the past week the importations of dead meat from America amounted to 6,294 quarters of beef, 1,803 sheep, and 369 pigs. The City of Montreal brought 720 quarters of beef, 200 sheep, and 200 pigs; the Castello, 1,000 quarters of beef; the Lord Clive, 804 quarters of beef, 53 sheep, and 169 pigs; the Britannic, 1,500 quarters of beef and 600 sheep; the Celtic, 700 quarters of beef and 300 sheep; and the Wisconsin, 2,200 quarters of beef and 650 sheep. The arrivals of live cattle were but small, amounting only to 923 animals, brought by the steamers Massachusetts, Lord Clive, Bayarian, and Lake Camplain.

DETERIORATION OF THE POTATO.

The first is, that, though the best specimens of all other crops are saved for seed, in the case of potatoes the best are sold, the next best used in the family, and the remainder—the refuse, the deformed, the discolored, the immature—are planted, with the expectation that the very worst will produce a full crop of the very best. In such a lot of seed there will be hundreds that bear no resemblance to the original; and, looking over a field planted with such trash, one may find hills in all stages of growth—some ripe, and others that will grow till killed by frost. I have counted twenty varieties on a single acre, of all colors and forms; all the product, originally, of the Early Rose. Now, seed saved again from such a crop will have reached its end, as far as profit is concerned. And, to make the thing still worse, this seed is almost always produced by poor crops in which the habit of unfruitfulness has become constitutional. This latter fact has never received from cultivators the consideration to which it is entitled; for it is of great, very great importance, and no seed should ever be saved from an inferior plant, or from other than a full crop. A growing potato plant, before it has put out any side branches, sets from four to six tubers—generally four. These will be the largest, most perfect in shape, and the best ripened of any in the hill, and will contain more natural vigor than smaller tubers. As soon as the plants puts out side branches more tubers will set, which are connected with these side branches and fed entirely by them; but as they are of later growth and less vigorous than the parent stem, so the tubers are smaller, weaker, and less mature. As the season advances other side branches are started, less robust and leafy than the last, producing still smaller tubers. These are the ones among which 'sports' are generally found, and from which mongrels are propagated.

[It is to be hoped our potato raisers will carefully read the above sound doctrine, growers of potatoes, corn or any article should be as careful to secure good seed as the "stock raisers" are to secure good blood from sire and dam, poor seed and low pedigree soon runs out.—ED. F.]

Australian Cattle and Sheep.

We have Letters from Auckland giving us a list of the very choice Blood Stock of one of the *very best* Stock Raisers in all that region of country

Among the many very choicest Animals are HEREFORD, DURHAM and DEVON CATTLE of the very highest blood and purest pedigree.

Of the HORSES are the CLYDESDALE, the best stock of all Scotland's high bloods.

Of SHEEP, the LEICESTER and LINCOLN, several of the Breeders valued at £150 to £200 each, from this price down to 20 to 30 guineas each.

This class of Stock is very rarely found in this country, and these were exhibited at the late Fairs in Australia, and bore off all the highest Premiums.

It is proposed to import some of this into California at early day.

Those of our Stock Breeders who would like the particulars and the value of this Stock, can obtain all needed information by calling on HUGH CRAIG, ESQ., at *New Zealand Ins. Co.*, California street, or at CALIFORNIA FARMER Office from the EDITOR.

Vermont Merino Sheep Breeders' Association

First Vol. Register, 395 pages, 22 plates, substantial leather binding, contains history of importation and improvement of Merino Sheep, register and pedigrees of 572 stock rams, with pedigree and history of over 200 flocks, pure bred, improved Spanish Merino Sheep. Sent postpaid on receipt of $2.00. ALBERT CHAPMAN, Sec., Middlebury, Vt.

It is the rugged highway that calls out one's strength, not the valleys of sensuous ease.

A NEW BOOK.

"Dournof," a Russian story, by Henry Greville, is published this day by T. B. Peterson & Brothers, Philadelphia. "Dournof" was written in Russia during Madame Greville's residence in St. Petersburg, and is a graphic story of Russian life, containing careful studies of Russian character which are most admirable, and is far superior to any of her other works. The story bears some resemblance to "Dosia" and to "Pretty Little Countess Zina," but is more interesting all the characters being master-pieces of character drawing, while there is an ease and naturalness about each of the characters that makes the volume very entertaining and very enjoyable. One gets a good deal of valuable history, and of interesting facts pertaining to the people of Russia, from such stories as this, every page of which shows the hand of a powerful and experienced author. Henry Greville, indeed, is a charming and exquisite writer. Marie Stewart, the translator, has done her work well, and in the most thorough manner, in the English version she has made of this attractive story. "Dournof" is published in a large square duodecimo volume, paper cover, price 50 cents, and will be found for sale by all booksellers and news agents, and on all railroad trains, or copies of it will be sent to any one, to any place, at once, on their remitting the price in a letter to the publishers, T. B. Peterson & Brothers, Philadelphia, Pa.

John Rodgers & Co.,

GENERAL STOCK AND SALE YARDS,

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LIVERY AND BOARDING STABLE,

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Hay and Grain at Lowest Market Rates.

FOR SALE.

An Iron-Gray Stallion, 6 years old, 16 hands high, weight 1300 pounds; untrained, can trot close to 2:40, sound, kind and gentle; "Messenger" [illegible]

—ALSO—

A Black Stallion, "John Wallace," sired by "England Glory," and from an imported Normandy mare of 6 years old, 17½ hands high, 1750 pounds; coal black flowing mane and tail. He won great merit last year by a set of the finest colts of this blood

—ALSO—

One Black Stallion, 3 years old, 16 hands high, weight 1250 pounds, has a record of 2:39; sound, kind and gentle.

Can be seen at Bulls Head Stables, Corner of Market and 9th Streets.

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IMPORTERS OF

Hardware, Iron, Steel, Coal, Powder, Fuse,

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Milling, Mining, Building Material

—AND—

RAILWAY SUPPLIES.

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SAN FRANCISCO.

No. 52, 54, 56, 58 K Street,

SACRAMENTO.

N. ASHTON & SON'S

Liverpool Fine Salt.

IN UNIVERSAL USE THROUGHOUT THE EASTERN and Western States, and acknowledged far superior to any other brand of factory-filled salt.

Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March:

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory-filled salt; therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $13; for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams; and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"

For sale by

WILLIAMS, BLANCHARD & CO.,

218 CALIFORNIA STREET,

48 16 Sole Agents for Pacific Coast.

J. M. NEVILLE. G. H. BRYANT.

NEVILLE & CO.,

Bag, Tent and Hose Factory

33 CALIFORNIA STREET,

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(Removed from their old place, 113 Clay Street, to their new and enlarged accommodations.)

IMPORTERS, MANUFACTURERS, AND DEALERS IN ALL KINDS OF

Bags, Burlaps, Duck,

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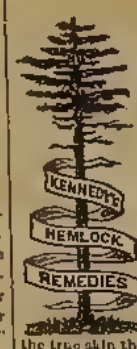
SCAB AND TICKS

IN SHEEP.

S. H. KENNEDY'S

NON POISONOUS

SHEEP DIP!



Manufactured by

S. H KENNEDY, Omaha, Nebraska, eradicates the pest. This is the only dip that adds to the staple and value of the wool. It will cure the most obstinate cases—diluted 150 parts hot water, and will not cost A CENT A HEAD each dipping. Packed in ONE and FIVE GALLON TIN CANS.

Dip Scabby Sheep in the Early Spring and Summer as that is the time to eradicate the disease from the skin. Fall and Winter dipping will not cure the Scab, it only holds the disease in check, in the Fall and Winter months, the insect that causes the Scab is forcing his way so deep into the true skin that he cannot be reached or destroyed, while in the early Spring the insect comes to the surface of the skin and is easily eradicated by one or two dippings in my Sheep Dip.

Price per Gallon:

TOBACCO DIP $2 75
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BOOK SENT FREE TO SHEEP GROWERS,

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VALUABLE

FARMS FOR SALE.

Valuable Farms in the sunny lands of San Diego County

Those families who desire to leave the cold wintry region of the north and come to a better climate—are invited to the following Farms we offer at good bargains:—

One Farm of 1,500 acres, undivided, can have a great chance to buy this Farm.

One of 320 acres, of rich land of the very best soil, running water, and generally low land, capable of growing any crop wanted, a portion fenced, with fruit trees and vines now bearing.

One Farm of 100 acres of most excellent soil, capable of raising all Tropical Fruits in the greatest luxuriance.

All these Farms are in the Bee-region and suitable for this interest all sold on easy terms. For particulars address

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UNEQUALLED FOR CROSS PLOWING.

Over 10,000 in Use.

Local agents wanted. Descriptive circulars and price list free on application.

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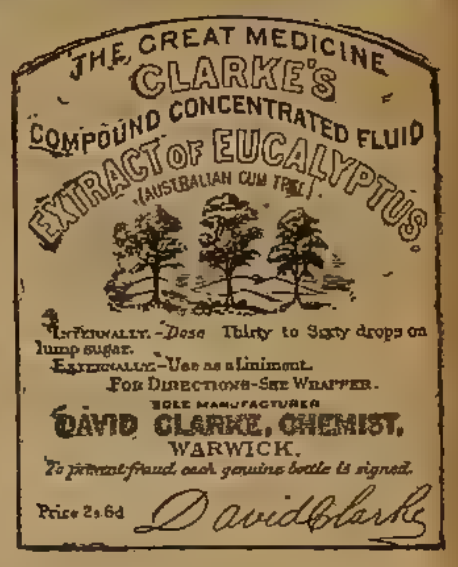
The Great Medicine!!



We have appointed for the sale of this Medicine advertised our columns the following

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APOTHECARY AND DRUGGIST,
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H. BOWMAN,
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J. W. JONES,
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The Remarkable Cures which have been effected by Wonderful Remedials, known as CLARKE'S EUCALYPTUS REMEDIES from Australia, have, and are exciting a great influence among all those who have long been sufferers by those terrible sources of suffering, RHEUMATISM, NEURALGIA, DYSPEPSIA, and FEVER AND AGUE.

These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.

Be sure you ask your Apothecary for the true Medicine, DAVID CLARKE'S EUCALYPTUS PREPARATIONS The only Genuine article.

WARREN & CO.,

SOLE AGENTS FOR THE UNITED STATES.

LAND PLASTER.

THE GREAT FERTILIZER.

This most excellent material for all Clovers and Grasses, can now be had of the undersigned at the low price of

$12.50 per Ton.

Also—Building Plaster, Casting Plaster, and Terra Alba.

For Sale by

LUCAS & COMPANY,

215 and 217 MAIN STREET,

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25 STYLES OF CARDS, with name in gold, 10 cts. J. B. HUSTED, Nassau, N. Y. 47:24 ly

Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

FRAGRANT WOODS.

The properties and uses of woods are various; some are sought for their beauty and utility for the cabinet-maker or pianoforte manufacturer, some for their adaptability for carving or engraving on, others for their coloring properties, and some for their medicinal uses. There are a few, however, which have the rare attraction of being fragrant and odorous, and hence are valued for small and special fancy articles for ladies' use, or for the purposes of the perfumer, who distils pleasant scents from them. Although fragrant odors are very generally diffused over the vegetable kingdom, yet they are not often centred in the woody fibre of plants. We know these odors well in flowers, and we find them strongly diffused in many aromatic leaves, as the lemon and citronelle grasses, the leaves of the Faham orchid *(Angræcum fragrans)*, and of the *Eucalyptus citriodora*, and *E. odorata*. Sometimes the pleasant odor or pungent flavor is concentrated in the seeds and seed-vessels, as in the nutmeg, the tonquin bean *(Dipterix odorata)*, the musk seed *(Abelmoschus moschatus)*, the odoriferous seeds of *Oxydendron Cognemany* (Nees), the vanilla pods, and those of *Myrospermum frutescens* (Jacq.), etc., of South America. In several trees the aromatic principle is strongest in the barks, as in cassia and cinnamon, the sassafras of Tasmania *(Atherosperma moschata)*, and *Croton cascarilla* and *C. cleutheria*, of the Bahamas. Essential oils are obtained from many of these.

The study and consideration of woods may be influenced by many causes, according to the purposes to which they are to be applied. The cabinet-maker will group them according to the disposition of their colors and the distinction of their fibres, and will sometimes also take into consideration the odor, which is an essential point in the eyes of the perfumer. As I do not remember to have seen any grouping of the fragrant or odorous woods, I propose condensing a few observations as a guide to those who may be interested in this class of woods, which is not, after all, extensive, and only a few of which are as yet much used. Two or three are tolerably well known, such as champhor, sandal, and cedar woods; others have not been so generally described.

The bark of *Ocotea aromatica*, from New Caledonia, possesses a strong sassafras flavor, and there is a fragrant bark yielded by the *Alyxia aromatica*, of Java and Cochin China: but as I have not met with specimens, I cannot tell whether the odor penetrates to the wood. The *Ixora (Coffea) odorata* of Tahiti has, however, I know, a close and fragrant wood.

In Tasmania and Australia we have the musk-wood *(Eurybia argophylla)*, with a timber of a pleasant fragrance and a beautiful mottled color, well adapted to turnery, cabinet work and perfumery purposes. The native box-wood *(Bursaria spinosa, Cav.)* has also a pleasant but fleeting scent. The scent-wood of the same island *(Atyxia buxifolia, R. Br.)* has an odor similar to that of the tonquin bean. It is but a straggling sea-side shrub of three to five inches in diameter, and consequently does not produce wood of any size, but it is fine and close-grained, of a lightish brown mottled appearance.

In the colony of Western Australia we have the raspberry jam wood, a species of the *Eucalyptus*, which derives its popular name from the similarity of the scent to that preserve.

Many of the Australian woods exhibit a peculiar beauty of structure, which adapts them for small furniture and turnery uses. Some are highly fragrant, and retain their agreeable odor for a considerable period of time, which renders them additionally pleasant and acceptable in the form of ornamental articles for the boudoir and drawing-room. The scented mynll *(Acacia homalophylla)* is a very hard and heavy wood, which has an intense and delightful smell of violets. It has a dark and beautiful duramen, which makes it applicable to numerous purposes of the cabinet-maker and the wood-turner, and an infinite variety of minor uses. It rarely exceeds a foot in diameter, but has been used as veneers. This tree is common in many parts of Australia; since the London Exhibition of 1862, when the caskets, pipes, and other articles shown from Queensland, and the remarkable property it possesses became known to European manufacturers, the wood has been in request for making glove, handerchief, and other fancy boxes. As long as it remains unpolished, it preserves this peculiar fragrance of violets, which does not occur with such perfection in any other known substance.

[For many years we have shown the value of the various splendid varieties of Australian woods grown in Australia, and urged their cultivation here for mechanical uses and for artistic work.

Very few of our tree growers even, or our nurserymen have any idea of the great value of these various woods, each and all of which can be grown with great profit as a business operation.

Among the many varieties of the *Eucalyptus tribe* are found some of the most fragrant woods, and woods of the finest and most beautiful shades, suitable for cabinet and ornamental work, and yet but little thought has yet been given to their great value, while other countries are growing them by the *millions of trees*.

It is to be hoped that a wiser thought will be given to Australian trees soon, so that we can utilize these woods in cabinet ware and for other ornamental purposes.—ED. F.]

RHUBARB WINE.—We have samples of the "Rhubarb Wine" advertised by us in the FARMER, to which we call special attention of wine dealers, as we have it on sale at our office.

A FREE BOOK of nearly 100 large octavo pages for the asking. Full of valuable notes on Scrofula; Diseases of Women; Aches and Pains; Heart Troubles and a great variety of Chronic Diseases, with evidence that in most cases, these diseases are curable. Send for one stamp.
Address MURRAY HILL PUB. CO.,
No. 129 E. 28th Street, N. Y.
49:1

USES OF FERNS.

Those who have been fairly inoculated with the love of ferns, will be interested to learn that many species of these beautiful plants are used not only for food and medicine, but for economic purposes. As food, they are chiefly useful to the aboriginal inhabitants of some foreign countries. In the larger of the exotic ferns—the tree-like species—the inner part of the stem, stipes or rhizoma—corresponding to what would be the pith in other plants—and sometimes the whole of the tuberous rhizoma, is eaten generally after being boiled. In India, some of the natives boil the tops of one species of fern, and eat it with shrimp-curry. Amongst ourselves, two of the most beautiful species—the Bracken and the Male Fern—are said to have been sometimes used as ingredients in the manufacture of beer; whilst one foreign species *(Aspidium fragrans)* is actually stated to have been used for making tea. Our native Maiden-hair used at one time to furnish a principal ingredient for a syrup called "capillaire." * * The rootstock of the Royal Fern *(Osmunda regalis)* was in times gone by reputed to possess the quality of healing wounds, whether applied to them externally, or taken inwardly in the form of a decoction. Its outward application was considered a specific against bruises or sprains, and good for bones broken or out of joint; and taken inwardly, it was also believed to be good for cholic and for splenetic disorders. In some parts of Europe its rootstock is said to be used, after being boiled in water, for the purpose of starching linen. * * A pleasant and familiar inhabitant of our lanes and woods the Common Polypody—*(Polypodium vulgare)* has had ascribed to it, by ancient herbalists, various medicinal qualities, amongst them being the power of curing coughs and asthmatic affections, the dried rhizomas being powdered for the purpose and mixed with honey.—*The Fern World, by Francis George Heath.*

THE AUSTRALIAN GUM TREES.

There is no tree known to science that presents so many valuable properties as the various species of the Australian Eucalypti. As many as one hundred and fifty varieties of this invaluable tree have been discovered. No timbers in the world can compare with those of Australia; for purposes requiring great strength, combined with great durability, they are unapproachable. Owing to an essential volatile oil that exudes from the foliage, epidemic rarely exists in Australia. The entire species are more or less medicinal. Yet after many experiments, I have found that some of the species, most useless as far as their timber is concerned, are of the greatest value as medicine plants.

In the back bush the gum leaf has often to answer the purposes of the entire medicine chest.

During the past six years I have been experimenting on the various species of the Australian Gum—the roots, the bark, the gum, and the leaves—with great care.

I have found that the gum that exudes from some of the species cannot be excelled for some purposes.

For Rheumatism, Neuralgia, Gout, Sciatica, or any affection of the Nervous System, it appears to be almost a specific, giving immediate and permanent relief. For resolving the attack of Fever and Ague, it is marvelous. It is equally valuable in all diseases of the Liver.

The BEST MEDICINE one can possibly take for Indigestion, Fever and Ague, Wind in the Stomach or Bowels, Sick Headache, Heartburn, Giddiness, Drowsiness, Languor, Spasms, Pains and Fullness at the pit of the Stomach or region of the Liver, Loss of Appetite, Diarrhœa, Dysentry, and the most certain cure for Piles is Clarke's Liver and Blood Pills.

It is essentially necessary during an attack of any of these diseases that the bowels be freely evacuated by a dose of four to six of the "Liver and Bilious Pills" previous to taking the Fluid Extract, and a small dose of the Pills every night will greatly assist the action of the Fluid Extract. For Rheumatism, Sciatica, Gout, Neuralgia, or pains in any portion of the body or limbs, the part affected should be freely bathed with the "Concentrated Fluid Extract."

For Dysentry and Diarrhœa it supersedes all other medicines known. For ordinary cuts, or slight bruises, one application generally suffices.

For Colic, Pains in the Stomach or Bowels, a single dose generally gives relief before five minutes. In bad cases a dose may be taken every half-hour, or hour, till relieved.

FERTILIZERS—THEIR OPERATION.

Deductions from experiments made at Athens, Ga., 1873, by Dr. E. M. Pendleton.

1. That there is a great waste of ammonia when peruvian guano is used in its concentrated form, it should be mixed with superphosphate, alkaline salts, etc.

2. That no combination of salts, leaving out soluble phosphoric acid, will pay on our worn out soils.

3. That taken separately, none of the salts sold as fertilizers to make home compounds will pay. Their virtues, if any, must be in chemical action upon each other, and the substances with which they are composed.

4. That ashes treated with sulphuric acid will greatly improve their fertilizing qualities.

5. That the application of soluble manures in a liquid form is better and more efficient than when applied in the dry state.

6. That lime will only pay on soils abounding in organic matter.

7. That subsoiling land for corn, will pay.

8. That five by three feet is the best distance to plant corn on medium land.

9. That pulling fodder does not seriously injure the corn after it passes the milk stage.

Light sandy soil will grow good crops of corn, if properly fertilized.

Liberal planting should be practiced.

Late planting of corn secures an earlier and thriftier crop generally. Corn contains all the elements essential to the growth of man and animals.

Employment is nature's physician, and is essential to human happiness.

Very Rare Australian Seeds.

WE HAVE RECENTLY RECEIVED FROM AUSTRALIA large collections of the new varieties of the Eucalypts never before imported here; also, very rare TREE and SHRUB SEEDS, which are most desirable to introduce upon the Pacific Coast.

In order to scatter them widely, and thus have them extensively grown and more widely disseminated. We shall put them up into collections of *ten parcels each*, and mail them to order, at $5 each collection. Address

WARREN & CO.,
320 Clay Street, - - - San Francisco.

NURSERYMEN AND FLORISTS ABROAD

Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurserymen, especially, who have NEW and RARE kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our JOURNAL circulates there to a large extent.

This is the season when Nurserymen should make known what they have for sale.

Warren & Co.,
PROPRIETORS CALIFORNIA FARMER.

BOOKS FOR FARMERS!

BOOKS FOR FARMERS' LIBRARIES
AGRICULTURE,
HORTICULTURE,
FLORICULTURE,
STOCK RAISING,
BEE RAISING,
POULTRY GROWING.

With many valuable and interesting works on all branches of each of these important industries.

For sale at lowest rates at
FARMER OFFICE,
320 CLAY STREET.

THE DINGEE & CONARD CO'S
BEAUTIFUL EVER-BLOOMING
ROSES

We deliver STRONG POT ROSES for Winter Bloom and Fall Planting, *safely by mail*, at all post-offices. Five Splendid Varieties, *your choice*, all labeled, for $1; 13 for $2; 19 for $3; 20 for $4; 35 for $5; 75 for $10; 100 for $13. Send for our New Guide to Rose Culture, and *choose from over 500 Finest Sorts*. Our Great Specialty is growing and distributing Roses.
THE DINGEE & CONARD CO.,
Rose-Growers, WEST GROVE, CHESTER CO., PA.
48:18 6t

Best Fruit Dryer in the World.

HAMPTON & KELLY
—AND—
KELLY & COLE'S
FRUIT DRYER.

THIS MACHINE DRIES BY STEAM HEAT AND DOES not burn the fruit. It is very economical in its working machinery, and so perfectly simple that every family can use it in their homes; it is also perfectly safe.

In connection with this machine is an admirable GRINDER capable of grinding one bushel of fruit per minute.

The capacity of drying of the SINGLE DRYERS are from 20 to 30 bushels in 10 hours for each machine. Large machines will dry from 30 to 100 bushels in 10 hours.

Orders for these machines, for the present should be sent to Messrs. Kelly & Cole, First and Salmon Streets, Portland, Oregon.

A manufactory of these Dryers will soon be established here, and will be under the superintendance and management of ALFRED B. COLLVER, who is the General and Traveling Agent of all these inventions.

Mr. Collver will have his office in this City a early day all letters for him can be addressed through the Express or Postoffice to the undersigned, and they will have prompt attention.

ALFRED B. COLLVER.

N. B.—Letters can be directed to me care of EDITOR FARMER, to whom we are permitted to refer for the excellent quality of our Fruit Dryer. A. B. C.
49:7

VICK'S ILLUSTRATED MONTHLY MAGAZINE

Each Number contains THIRTY-TWO PAGES of reading, many fine Wood Cut Illustrations, and one COLORED PLATE. A beautiful Garden Magazine, printed on elegant paper, and full of information. In English and German. Price, $1.25 a year; Five copies $5.00.

Vick's Flower and Vegetable Garden, 50 cents in paper covers; in elegant cloth covers $1.00.

Vick's Catalogue, 300 Illustrations, only 2 cents.

Address, JAMES VICK, Rochester, N. Y.

Good Cure for Hard Times

A PLANTATION OF EARLY PROLIFIC and RELIANCE RASPBERRIES.

100,000 Plants for sale; also 200,000 Cinderella and Continental Strawberry Plants. Millions of other Plants, Trees, etc. Everything new, novel, and rare. Prices low. Send for Descriptive Circular to GIBSON & BENNETT, Nurserymen and Fruit Growers, Woodbury, N. J.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the *information of their Wants*.

S. M. PETTENGILL & Co., 37 Park Row New York, 10 State Street, Boston, and 701 Chestnut Street, Philadelphia, are our Agents for SUBSCRIPTIONS to THE CALIFORNIA FARMER in the above cities, and also our AUTHORIZED AGENTS to contract for ADVERTISING at our lowest rates.

WARREN & CO.

PEARL MILLET
(THE NEW FODDER PLANT.)

Yields 100 tons green — 16 tons dry per acre.
60c. per pint (by mail, postpaid)
$1.00 " quart "
By express, buyer to pay charges, $5 per peck.
Statement of our experiments with it, and instructions for culture, free on application
PETER HENDERSON & CO.
35 CORTLANDT ST., NEW YORK.
49:2

JOHN SAUL'S
Catalogue of New, Rare and Beautiful Plants

Will be ready in February, with a colored plate. Many new and beautiful plants are offered, among Dracenas, Crotons, and other fine foliage plants, with a rich collection of Greenhouse and Hot-house plants; Bedding Plants; new and choice Roses; Dahlias, etc. Well grown and at low prices Free to all my customers, to others 10c. A plate copy free.

JOHN SAUL, Washington, D. C.
49:2 eot

Evergreens & Forest Trees.

AT RETAIL TO FARMERS AND PLANTER AT
WHOLESALE PRICES.
LARGE STOCK, GREATEST VARIETY, CHEAPEST AND BEST.
Send Stamp for Price List.
GEORGE PINNEY,
49:1 Sturgeon Bay, Wis.

VEGETABLE AND FLOWER SEEDS
WE SELL EVERYTHING FOR THE
GARDEN
Descriptive Catalogues of 175 pages sent Free
PETER HENDERSON & CO.
35 Cortlandt St., New York.
FLOWER AND FRUIT PLANTS
49:1

FARMS, RANCHES
—AND—
LANDED ESTATES FOR SALE.

Now that we have so many settlers of the BETTER-CLASS coming to our State, those who have

Lands, Ranches, Farms,
—AND—
IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms and Libraries in the United States.

Advertisers will be wise that consult our columns.

WARREN & CO.,
CALIFORNIA FARMER OFFICE.

A NEW STRAWBERRY.

SHARPLESS, THE LARGEST, BEST FLAVORED, and most productive berry ever produced. Berry raised with ordinary culture from plant, set in September, 12½ inches in circumference; weight, 2¼ ounces; and on the same stem four others from the size of a hickory nut to that of a walnut. See sworn statement and recommendations in my circular. Free to all sending their name and address on postal card.
J. L. DILLON,
49:7 BLOOMSBURG, PA.

N. B.—Catalogues and Plants at FARMER OFFICE.

NEW TOOTH POWDER!

The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath
DAVID CLARKE'S
Eucalyptus Tooth Powder,
The BEST EVER COMPOUNDED and destined to supersede all others.

WARREN & CO., SOLE AGENTS,
320 CLAY STREET, S. F.

THE HELPING HAND,
THE BEST BOOK.
For Sunday-Schools and Praise Meetings. 20 Composers, 140 Writers 140 Pages, 175 Hymns and Songs. by W. T. Giles & J. H. Rosecrans. Sample Copy, 30c., $2.50 per 100. GEO. D. NEWHALL & Co., Publishers, Cincinnati, Ohio

VALUABLE INFORMATION FOR THE FARMER.

Next to the system of rotation in crops, the *most important discovery* yet made in Agriculture. Without any outlay of money, an increase of from 20 to 60 per cent. can be obtained in the crop of MARKET TABLE

POTATOES

Proved by two years' experience. *Costs nothing* but time during Winter or early Spring to prepare the seed. Full directions sent for $1, payable after trial, at maturity of crop. ISAIAH T. OLIVER, Quakertown, Bucks Co., Pa.
49:7

Remitting Money.

We desire those who Remit us Money, to send it either in Checks on our *Banks here*, or by Post Office Order, or Green backs.

We desire this *specially* of *Newspaper Agents*, or others abroad who send *their Checks* on Home Banks—this occasions delay or expense to us in collecting, while it is just as easy for them to adopt the way we point out, and send us Cash Currency. These are our terms.

WARREN & CO., Publishers FARMER.

PULLMAN HOTEL DINING CARS

THESE CELEBRATED HOTEL CARS ARE NOW
RUN OVER THE
Chicago and Northwestern Railroad
BETWEEN
COUNCIL BLUFFS AND CHICAGO

No other road now runs or has ever run

Pullman Hotel Cars,

PULLMAN DINING CARS,
Or any other form of hotel, dining or restaurant
THROUGH
BETWEEN OMAHA AND CHICAGO.

Do not be deceived by the false representations of the agents of other lines who tell you they have hotel cars on their lines west of Chicago. It is not true. No road west of Chicago has them except

THE CHICAGO AND NORTHWESTERN.

PASSENGERS for Chicago, Niagara Falls, Pittsburg Philadelphia, Montreal, Quebec, New York Boston, or any point East,

Should Buy their Trans-continental Tickets
—BY THE—

Pullman Hotel Car Line.

Close connections are made at Chicago with the Lake Shore & Michigan Southern, Michigan Central, Baltimore Ohio, Pittsburg, Ft. Wayne & Chicago, Kankakee Line and Pan-Handles routes, for all points EAST and SOUTH EAST.

This road can give you CHOICE of ALL ROUTES from Chicago to the East. It allows its patrons to select the route they may think best. Determine the route you would like to travel over beyond Chicago, and we will be glad to sell you TBROUGH TICKETS by it.

Passengers will find Tickets via this Favorite Route at the ticket office of the Central Pacific Railroad, Sacramento.

Tickets for sale in all the ticket offices of the Central Pacific Railroad.

W. H. STENNETT.....General Passenger Agent
MARVIN HUGHITT.....General Manager
H. P. STANWOOD, General Agent,
No. 2 New Montgomery Street, San Francisco.
47 11

MOUNTAIN PLANTS.

Strawberry Plants.

"Monarch of the West," "Star of the West," "Seth Boyden," "President Wilder," "Great American," "Crescent Seedling," "Duchesse," "Pronty's Seedling," "Duncan," "Kerr's Prolific," "Miners' Great Prolific," "Continental," "Cinderella" "Cumberland Triumph," "President Lincoln," and all the best and most promising varieties of STRAWBERRIES.

Mountain grown plants—"Silva's Koning Claudie," the earliest and best early Blue Plum.

We offer for sale a large and fine stock of the above.

Send for Descriptive Circular to
C. M. SILVA & SON,
Newcastle, Placer County, Cal.
49:3

SPLENDID FLOWERS OVER 1200 Distinct Varieties.
All Strong Plants, each labeled and delivered safely by mail. *Largest assortment, Low prices.* We have been in business 24 years, and *never satisfaction.* Our stock of ROSES comprises all desirable varieties and contains none but mate of ours. We offer [illegible] for $1 for 13 for $2. Our new [illegible] book, sent free, contains name and description of each plant, with instructions how to [illegible] successfully. HOOPES BRO. & THOMAS, Cherry Hill Nurseries, West Chester, Pa.
47 22

TO INVENTORS AND MECHANICS.

Patents and how to obtain them. Pamphlet of 60 pages free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 31,
48:19 tf *Washington, D. C.*

Strawberry Plants for Sale

TWENTY VARIETIES.
The Rarest and Best.

PRODUCING BERRIES THIS SEASON from the size of a Walnut to that of a Hen's egg.

The varieties offered are new and choice and immediately productive.

Directions for their culture given to all purchasers. For sale at
Farmer Office.

A GOOD PLAN.

Anybody can learn to make money rapidly operating in Stocks, by the "Two Unerring Rules for Success," in Messrs. Lawrence & Co.'s new circular. The combination method, which this firm have made so successful, enables people with large or small means to reap all the benefits of largest capital and best skill. Thousands of orders, in various sums, are pooled into one vast amount and *co-operated* as a *mighty whole*, thus securing to each shareholder all the advantages of the largest operator. Immense profits are divided monthly. Any amount from $5 to $5,000, or more, can be used successfully. *N. Y. Baptist Weekly*, September 26, 1873, says, "By the combination system $5 would make $75, or 5 per cent.; $50 pays $750, or 7 per cent., $100 makes $1,500, or 10 per cent. on the stock during the month according to the market." *Frank Leslie's Illustrated Newspaper*, June 28: "The combination method of operating stocks is the most successful ever adopted." *New York Independent*, Sept. 12: "The combination system is founded upon correct business principles, and no person need be without an income while it is kept working by Messrs. Lawrence & Co." *Brooklyn Journal*, April 29: "Our editor made a net profit of $101 from $20 in one of Messrs. Lawrence & Co.'s combinations." New circular (mailed free) explains everything. Stocks and bonds wanted. Government bonds supplied. Lawrence & Co., Bankers, 57 Exchange Place, N. Y.
49:10

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, MAY 29, 1879.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marble Building—Up Stairs.

FARMERS HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms. Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for one insertion, fifteen cents a line for any larger space. Each subsequent insertion ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞ Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,

PUBLISHERS CALIFORNIA FARMER,

San Francisco, Cal.

Editor's Chair.

Home.—We invite our readers to the excellent article on "The Blues" in our Home column, it is very appropriate now when so many have the *Blues*.

"Matrimonial Courtesy" has most admirable counsel to both "husband and wife," an excellent sermon, which if duly observed by both will add much to the happiness of both parties.

"A Sensible College," Iowa has shown good sense in the teachings of their Colleges.

"The Next Best Thing," a very excellent lesson as we say to thoughtless husbands—they should certainly go hungry, who will not provide that which makes the *fire burn*.

"Perfume on Health" should be read.

Our Poets' Column.—We have been favored with a most excellent Poem by our kind Correspondent, W. G. B. "Coming round the Curve," a poem full of good counsel. We hope to hear often from W. G. B.

"The Ring my Mother Wore," is full of tender love and affection, and will come home to many a loving and devoted heart.

"Tried Gold" is most excellent and true.

Horticulture.—The chapter on "Fragrant Woods" should have special attention of owners of large tracts of land that can be made to yield large returns.

"Uses of Ferns" is worthy of more than a passing notice, there is important knowledge conveyed in the article.

"Australian Gum Trees," more and more the great value of these trees are being made known, they are truly the wonders of the world.

"Fertilizers" no State in our Union is so neglectful of the vast importance of *good fertilizers* for the soil as California, the cultivators of our soil are robbing it year by year, and land that once yielded 40 to 50 bushels wheat to the acre, now only returns 10 to 20, because the soil has been impoverished by a constant cropping of 15 to 20 years, and nothing done to restore the land to fertility.

Miscellany.—We call attention to the very interesting article on page 79, giving the "Highest Inhabited Point" in the United States, not only this, but the highest on the Globe, this knowledge should be extended, this shows that the American people are *higher up* in civilization than any other Nation surely.

"Honorable Politics."—Here is a chapter worthy serious consideration now when the people of our State having so important a duty as the making and establishing a "New Constitution."

Agriculture.—"How we Saved the Old Farm" we give chapter 7, and we know hundreds of readers have been not only delighted with it but wisely instructed by it to their great gain, by these admirable hints so well pictured.

"Deterioration of the Potatoe" our growers of this important and great product of our State can learn a valuable lesson by this article.

"Australian Cattle and Sheep," here we give important information for our Stock growers.

Read about "Vermont Sheep Breeders Books."

Our Front Page.—Our "Paris Letter" has important information for our readers as usual.

Yosemite Valley.—This is now the great season of travel to this most wonderful temple of natural beauties—we give a most admirable letter from our esteemed Correspondent, Galen Clark, Esq., Commissioner of the Valley, that will be read with delight.

Mr. Clark by his letter shows that he is the very man for *Guardian of that great Valley*.

Many articles on Front Page will be read with interest.

Yosemite Valley Pictures.—Lovers of the beautiful must not forget that "Watkins" is the true delineator of Yosemite, his Gallery of Art should be visited by all.

SEASON---PROSPECTS---CROPS.

The present may truly be said to be a most remarkable season for California, in fact we have never had one of such peculiar and sudden changes, from frosts that have nipped vegetation to sudden warmth; from clouds and rains repeatedly and late in the season, to bright, prosperous and quick growing weather.

It is admitted by the cultivators generally in every county that crops everywhere will be large and full, our Grain Crop by reason of our late rains will come up to a full and in many sections an extra yield, and especially the late sown grain, much of which was designed for hay will now make a good yield of grain.

The *Fruit Crop* will in many places be an unusual large yield that will require that a vast amount shall be *dried* and *preserved*, already a large amount has been thus used up, and more will be put up this season than ever before.

The *Vineyard Harvest* also promises to be a very large yield, and we think more Wine will be made this year than ever before, and better wine too.

The *Hop Crop* will not be large by reason of the badly depressed market and low price of Hops here and abroad, the many shipments resulting in a loss to shippers, many hop fields not being gathered.

The *Wool Clip* now excites attention by reason of a quick rise in values East, and an advance of about 25 per cent. on choice lots, the Eastern manufacturers buying very largely.

The *Honey Crop* which is now one of the articles of large export and of large value, though the yield of Honey will not be as large this year, it will approximate to 750 tons, *a large amount of sweetness*.

With such a goodly prospect of crops and with such large resources for our State, it is most unfortunate that a commonwealth so rich within itself should be depressed in all departments of business by apathy and dullness, and a restricted circulation of *money*, the very "life blood" of business, and this by reason of a host of political jugglers of all parties, who now are laboring each for themselves, with the resolution to "Rule or Ruin."

When will our best citizens throughout our State rise up in the majesty of free men and elect rulers that shall save this glorious State from further misrule.

Unless there shall be this effort and union among our business men and unless they shall assist one another and show a generous forbearance, the creditor to the debtor, what has heretofore been considered a dull state of trade, will be greatly increased and matters will go on from bad to worse until the end comes.

The present political battle just over, seems but a foreshadowing of a greater battle yet to come—for it is now a general belief that the ultimate fate of California, its weal or woe, will depend upon the coming election in September, and if old political hacks and wire pullers of other days are to control our elections, it were better good men emigrate to some other country.

JUBILEE IN YOSEMITE VALLEY.

The middle of June the great gathering of those who are interested in the cause of Sabbath schools from all parts of the United States are to assemble in the Yosemite Valley.

Some 500 persons are now on the way here for this grand convention of the *friends* and *guides* of *children*.

What a grand thought, Yosemite Valley, God's most beautiful Temple is soon to be the place where amid scenes of beauty unequalled by any other spot of earth, there beneath the mightiest and loftiest cataracts in the world where rainbows dance in the sprays of many waterfalls and beneath rocky domes a mile high, a thousand voices will unite to sing that glorious old time song "Old Hundred."

"Be thou O God exalted high
And as thy *Glory* fills the sky."

Then, as the echo of this Anthem shall cease there shall come the still small voice, saying:

"Suffer little children to come unto me."

for this is the mission of this great number that will soon meet in the Valley where all Nature is constantly sending up anthems of praise to the God of all created beauties like the Temple he has reared in this Valley.

THE HAY MAKERS.

As usual in May season when hay makers begun their work of cutting and making hay we are always sure to have a good rainy spell, so as to catch hay makers at their work, this has been the case with but few exceptions for all past years.

Rains have fallen every year with rare exceptions in May; in 1860 we had remarkable rains, 61, 62 and 63, and so on since, what influence the cutting down large fields of grass, its changes and the influence of its gasses and vapors may have upon the atmosphere to induce rains, theorists and scientists can study and decide, this is quite certain that it does affect the atmosphere and may be a predisposing cause to a certain extent.

The rains which have been unusual this year more so than any year in the past, even 1860 has done some injury to hay in the field, but large quantities that cannot be restored and saved for dry hay can be *fed to stock*, and thus saved from total loss.

The loss to hay makers however will be more than made up to the grain growers, as this rain upon late planted grain will add from 10 to 25 per cent. to the yield, while our cornfields, potatoe crops, bean crops and all vegetables will be largely benefited by the rains.

There is no unmixed evil—so if some who lose *complain*, there are more that will *rejoice*—and thus there can be found always

A silver lining to the cloud.

Bills Sent Out.

We would hope that those of our patrons to whom we have sent bills, will kindly remember that a good many *little sums from each* would be of great advantage in times when money is of value.

OUR FARMERS GREAT MISTAKE.

We feel assured that our farmers will too soon see they have made a sad a grievious mistake in arraying themselves as they have done against capital, meaning in their late warfare, railroads, banks, capitalists, and the moneyed interests of the State generally.

We fear many of our farmers who have mortgaged estates, and we regret to know the number is quite large, and many more, even a large majority of them also are more or less indebted to store keepers in their own towns, and also in this city, for their harvest machinery, that will feel that in entering into this political warfare are bucking against capital, is like a man with his head in a 'lion's mouth,' who would attempt to bite the *lion's tongue* his own life would pay the forfeit—and so now for those persons who have thus unwisely acted, will find that as their course has endangered public confidence and credit generally, they will be the first to feel the pressure and will be called on to pay up their mortgages and other debts, at short notices.

The farmers will find also, that the injury done to business credit generally, and which is producing a scarcity of money and a stagnation of business, will prevent them obtaining the means for harvesting their crops the present year, their short sighted policy in thus battling against capital, has cut off their avenues and sources whence their aid was to come in "harvest season."

No one can more deeply regret this fact than ourselves, and our farmers must remember, this Journal *warned farmers in season*, and worked hard at our own cost hoping to aid the farmers to take the right course, and while we feel that every man is free to act as he pleases, we knew beforehand that it would be worse than madness for men largely in debt to *banks* and *capitalists* to warfare against them, for whosoever saw the case case of a *victory against capital*—there is a true scriptural text that should be remembered,

"It is hard to kick against the pricks."

Our farmers suffer often from a *drouth*, but they will soon find that a harder case than an ordinary drouth is on the land—for when the well runs dry, water ceases to flow, and now when banks and capitalists, from whence they formerly obtained money for harvesting their crops say NO! a greater drouth will fall on them.

There will be no Freidlander this season to aid them, nor will they find another Ralston to help them over the harvest, and the large amount of unpaid indebtedness of past years from our farmers to merchants in our city, now compels them to say as a general rule to the farmer, "no more credit, we sell for cash."

With the facts before us that mortgages *must be paid up*, and this too at the opening of the *harvest season*, where can our farmers look for aid?

How can they buy their headers, harvesters and threshers, and how can they pay for their bags for their grain?

Farmers, we repeat, we regret deeply the great mistake you have made, that while you were in debt, you should battle against the very source whence your aid could come—now, again remember—for, as Richilieu said to the King, so we your true friend would say to you, "Pause, Sire, pause and reflect."

The Santa Clara College.

This truly distinguished College and most admirable Educational Institution has its Twenty-Eighth Annual Commencement Exercises and Exhibition on Monday and Tuesday of next week.

This College is in a most flourishing condition and with nearly two hundred students is sending out annually many most estimable graduates.

Santa Clara College under its most excellent President and its devoted Fathers as Professors occupies a proud place on the Roll of our Educational Institutions, its libraries, its many museums of science, and its unequalled philosophical apparatus, gives to this College great prominence.

The coming Festival will offer to our citizens a most happy occasion for a grand intellectual feast and a pleasant trip to one of the fairest Valles in our State, a view along the route and from the College observatory that would pay a journey of a thousand miles, and also the assurance of a happy welcome from the Fathers of the College, to add zest to the enjoyment.

May Day Celebrations.

The month of May is noted always as the "Month of Celebration," our Colleges, our Public and private schools, our Benevolent institutions, our Masonic, Odd Fellows and all similar associations take the "month of May" as the season for a rural, social Festival, while the colleges and schools hold their annual examinations and exhibitions where intellectual and social meetings and enjoyments make the month of May so noted everywhere in our Country.

The present year however, we think there has been less of the general outdoor gatherings than usual, and undoubtedly the state of trade with its depressing influences has prevented the attendance of many that otherwise would have swelled the ranks of the merry May Day scenes, yet there has been and will be much social and intellectual enjoyment and progress in spite of every drawback that interposes.

The month of May, beautiful May
The season of sunshine and flowers,
To the hills and the vallies away, away,
And there spend a few happy hours

How to Rule.

The people of our City have been a little puzzled at the liberality and courtesy of the Fireman Fund Insurance Co., who have lately sent out many thousands of neat *desk rulers* a foot long, marked in inches, and these are sent with the compliments of the Company.

While the name of the Company serves as a good *advertisement* to draw attention and make business, there is a *cute meaning* conveyed by this little weapon which all do not understand, for having sent many thousands all over the country modestly,

Yet this is their object, and this they can boast
Their business increases, and they RULE THE COAST.

SYDNEY INTERNATIONAL EXHIBITION.

Very great interest is now being awakened in all the Australian Colonies and in Europe and also in the Eastern States for the coming International Exhibition at Sydney, next September.

There will be quite a large delegation of merchants and business men go on from the Eastern States, and a large amount of Goods, Agricultural Implements, Machinery, Furniture, Inventions and Goods in every department of business.

Everything that is usually shown at our Mechanics' Fairs will be sent on from the East, and if our people here are but alive to their own interest and desire the Pacific Coast to be known and truly represented, they will not delay a moment in making due preparation for this Exhibition.

The Pacific Mail Steamer leaves here for Sydney 9th of June, and again in July, and what is done must be done quickly, it would be worth A Million of Dollars to have California and the Pacific Coast duly and fully represented at the Sydney Exhibition.

In order to facilitate and aid in this work we called on the Agent of the Mail Steamers, H. B. Williams, Esq., and he informed us that the Steamers will take all Goods for this Exhibition at rates equal to Half Freight, *i. e.*, the freight to be paid down in full and returned Free—for so great a distance this is surely a liberal offer.

All who desire to learn of this Great Exhibition can know all the particulars and see plans of the Buildings, the Grounds, Rules and Regulations, Forms of Entry and every particular, and also find *full* files of all the leading Australian papers at Farmer Office.

We have received all the Maps, Plates and all the documents from the Office of the Commissioner of the Exhibition, so we can give Official particulars, and to all who are interested will gladly aid in this work.

GOOD WORDS FOR US FROM AUSTRALIA.

We feel very grateful for the kind words spoken in our behalf by one of our Exchanges from Australia, the *Maryborough and Donolly Advertiser*, and tender them thanks for their neighborly courtesy and good wishes, we also return acknowledgments for many good words from our Australian friends and shall endeavor to merit them.

[We give the words of our friends below.—Ed. F.]

"That widely known American agricultural Journal, the California Farmer, continues to be remarkable for the amount of attention that it devotes to Australia affairs. The last number of that Journal contains quite a number of reports, paragraphs, etc., relating to these colonies; a large proportion of its space being occupied by an article on South Australia, as "the future granary of the world;" a lengthy description of the Botanical Gardens at Brisbane; a long series of notices of various official reports and private works about the various colonies; a brief editorial congratulating Mr. Angus Mackay, of Queensland, who was commissioner for the colony at the Philadelphia Exhibition, on his election as a member of Parliament, and other paragraphs of a like nature. The Farmer, in the same issue, says:—"It has ever been our pleasure to do what we could to promote the great and growing interests between New South Wales, New Zealand, and all the Australian colonies, as we believe a large and vast trade must eventually be done between that country and all the Pacific Coast." Certainly that Journal has always kept this object in view; no American paper has done more to correctly inform the Americans with regard to the position, resources, and prospects of the Australian colonies, and none, perhaps, is more worthy of Australian support. Apart from its well-known interest in the colonies, and its commendable desire to promote and extend our trade with America, the California Farmer has much to commend it to the support of Australian readers, which, indeed, it seems to be already receiving to a gratifying extent.

THE NEW FRUIT DRYER.

The new fruit dryer now advertised in our columns, as the Hampton & Kelly and Kelly & Cole's patent, has proved a most excellent invention and wherever used shows excellent results.

Mr. Alfred B. Collver now canvassing this coast in behalf of this invention, has been appointed by Thompson Kelly and Hon. W. P. Watson, of Multnomah and Wasco Counties, as agent for the sale and use of said dryers, and also for the grinding machine for preparing, condensing, and preserving and drying fruits, vegetables, meats and fish; the said dryers prepare all without any deleterious or poisonous matters which result from soldered canned goods, and these thus dried and preserved will keep to an indefinite period, even when exposed to atmospheric changes from heat to cold, or from wet to dry, in all the variable elevations of our Pacific slope.

Jams and jellies prepared by this dryer keep without tops or coverings and retain all the flavor of closed jars—as these and various preserved fruits have kept perfect from 1875 to present time.

Mr. Kelly prepared samples which were taken on a ship and carried to London and exposed on the voyage through the tropics, yet were still in perfect order for all use after months exposure thus.

Milk and cider has been dried perfectly and changed to jelly, and both retaining qualities to be again used perfectly, and these preparations taken on voyages to Australia and China, proving valuable preparations. Many preparations by this excellent fruit dryer can be shown, thus giving it a high reputation.

Mr. Collver is now in Oregon presenting the merits of this dryer, and will be in California soon to manufacture and sell this invention, information of the dryer can be had at Farmer office.

Thanks.—We are indebted to Samuel Miller Esq., of the Yosemite Stage Office for courtesies, and also to Messrs. Matteson and Harrison of the Oak Flat Route, for Illustrations and courtesies, also routes of travel, etc., for which we are duly grateful.

DEATH OF MR. J. G. RAPHAEL.

One of the most estimable citizens of Sydney has gone to his last account. Mr. Joseph G. Raphael, well known for his connection with philanthropic institutions and his unbounded charity, died at his residence, Elizabeth-street north, last night. The cause of death was debility, from which he had suffered for more than two years. Latterly he became extremely weak in bodily health, but his mental faculties were unimpaired to the last, and through all his affliction he never lost that genial air of cheerfulness and good humor, which made for him so many friends. Mr. Raphael was born in London in February, 1813, and arrived in this city in the year 1839. His first employment here was as a clerk in a wholesale store, and he won his way to fortune by mercantile pursuits, having been in business as a merchant for twelve or thirteen years. For some fourteen years he was an Alderman of the city, and his name is associated with many useful civil reforms. He was also elected as one of the representatives of West Sydney, and in the Legislative Assembly in general election of 1872. But it was in social and not political movements that Mr Raphael proved his great usefulness, he having been a director of several of the charitable and philantrophic institutions of this city. He was also connected with some of the banking institutions of Sydney. His hand was always ready to assist the needy, and none ever applied to him for help in vain. His life was insured for a very large sum, every shilling of which he bequeathed to charitable institutions. The deceased gentleman leaves a widow, four daughters, and sixteen grandchildren.

We believe there is not a citizen who will not hear with regret of the death of Mr. Joseph Raphael.

[We copy the above notice of the death of Mr. Raphael from the *Evening News* of February 3d.

It was sad news to us, for it had been our privilege and pleasure to have enjoyed a correspondence and the courtesies of this highly valued citizen of Sydney, and to have esteemed him as an honored friend.

Deeply regretting his loss, knowing the value of such a man to every community, we must bow to the Will Supreme over us; we tender to his afflicted family and to all bereaved our true sympathy for their great loss.—Ed. F.]

AUSTRALIA.

AGRICULTURAL NEWSPAPERS.

Editors, strangers and citizens from the Eastern, the Middle, or Southern States, also Editors over our own Coast who may desire to see or refer to their own Journals, or any Agricultural or Horticultural Journals, will always find them on file in the Farmer Reading Room, to which they are always bid welcome.

One Hundred of the leading Journals and Magazines of this class, the best in the United States, are in this collection, giving to those in search of Agricultural knowledge the best Information on this Coast.

A Large Library also, for *General Reference*.

Australia and California

We have full files of Australian Papers from all parts of Australia, showing the great interest they take in this Country, one thing of great moment, is the "Steamship Line," it is of vital importance to the welfare of the Colonies, and so vastly important to the Pacific Coast in the great trade that can be built up between the Colonies and California, if our Merchants do their duty.

These Journals are arranged on file for the convenience of all who may desire to peruse them. We have as follows:—

The Sydney Morning Herald, Sydney.
" *Town and Country*, Sporting Paper, Sydney
" *Australasian*, Melbourne.
" *Weekly Times*, "
" *Adelaide Observer*, Adelaide.
" *Queenslander*, Brisbane, Queensland.
" *Week*, " "
" *Capricornian*, Rockhampton, Queensland.
" *Port Dennison Times*, Port Dennison.
" *Wide Bay and Burnett News*, Queensland.
" *Darling Downs Gazette*, Toowoomba, "

Many of these Journals are of the largest size, from 20 to 38 pages, several, splendidly illustrated with views of the Public Buildings, Landscapes, Public Men, Stock, etc.

Contributions from Queensland.

We Invite all our readers and our citizens especially who are interested in our Manufactures and the Mechanic Arts, and our Agriculture, to visit the Farmer Office and see the Rich Products brought from Queensland by the Commissioner, they are now on Exhibition open to all, in the Reading Room and Museum of the California Farmer Office.

The Buckeye Mower.

In almost every hay field in our land can be seen the popular Buckeye Mower, as it is now admitted to be the *leading Mower* in the market.

Messrs. M. C. Hawley & Co., are the Headquarters for this grand Implement, and they claim that there are more "Buckeyes" in use among our haymakers than any other Mower known, and perhaps twice or thrice as many.

The Mechanics' Institute Fair.

The grand fair of this Institution will once more open its doors for an exhibition on August 5th, and continue open to September 6th—every effort will be made to have the coming fair surpass all former ones, the work is progressing rapidly—we shall give particulars soon.

Sweet Potatoes in Florida.—The crop of sweet potatoes in Florida is about 400 bushels per acre—so says Dr. Mason.

FURST & BRADLEY'S SELF-DUMP SULKY RAKE.

The Attention of Farmers is called to the merits of this Rake, and its great superiority over all Self-Dump Rakes heretofore brought to the notice of the public. The Dumping is done by friction bands around the ends of the hubs giving full control of the Rake to the operator, so as to be able to carry the teeth clear of the windrow. This does away the necessity of ratchets and pawls which is so objectionable in all other Self-Dump Rakes. The teeth are of the BEST CAST STEEL and have a double coil which renders them capable of the most severe work.

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To all Parts of the United States.

J. F. FARNWORTH. - - - - - - - - - - M. T. BREWER.

UNIVERSITY OF CALIFORNIA.

The JUNE EXAMINATION for admission to the College of Letters and of Science will be held at Berkeley on Thursday, Friday, Saturday and Monday, May 29th, 30th, 31st and June 3d, each day at 10 A. M.

All who can should be present on the morning of Thursday.

BY ORDER

M. KELLOGG,
Dean of Faculty.

SAN FRANCISCO CORDAGE CO.

ESTABLISHED 1856.

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HAY ROPE.

The special advantages of Rope for baling purposes, are the uses to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for Halters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when baled with Rope.

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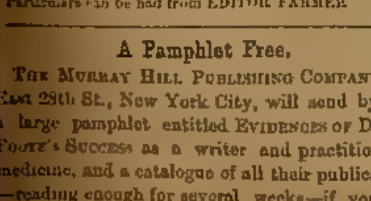

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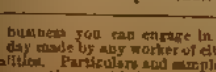

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Farmers who desire a splendid Single or Double Seated Wagon, of the BEST make and NEST finish, can have a special bargain if they will call at 320 Clay Street, FARMER Office, where style of the Wagon will be shown them, price and terms also. An early call will secure a bargain rarely obtained.

A Magnificent Estate.

A large and very fine estate of some THREE HUNDRED ACRES with a fine Orchard of the very choicest fruit, a large Vineyard, very productive; a large number of Fig Trees, great bearers

ORANGE, LEMON OLIVE, and choice EXOTIC FRUITS of all kind.

This estate is located in one of the "Beauty Spots" of our State, a retired, healthy and delightful place.

This estate will be sold at a great bargain by reason of failing health of the present owner

Particulars can be had from EDITOR FARMER.

A Pamphlet Free.

THE MURRAY HILL PUBLISHING COMPANY, 129 East 28th St., New York City, will send by mail a large pamphlet entitled EVIDENCES OF DOCTOR FOOTE'S SUCCESS as a writer and practitioner of medicine, and a catalogue of all their publications—reading enough for several weeks—if you will but enclose one letter stamp to their address

BEST business you can engage in. $5 to $20 per day made by any worker of either sex, right in their own localities. Particulars and samples worth $5 free. Improve your spare time at this business. Address STINSON & Co., Portland, Maine. 17:22

W. H. FLETCHER,

Shipping and General Commission Agent,

40 HUNTER STREET,

SYDNEY.

WILL ACT AS AGENT FOR GOODS SENT TO THE Sydney International Exhibition, and attend to sales afterwards, or otherwise as instructed.

REFERENCES.

HUGH CRAIG, Esq., 307 California Street.
MESSRS. WARREN & CO., San Francisco.

49:16

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Nos. 214 and 216 Battery Street,

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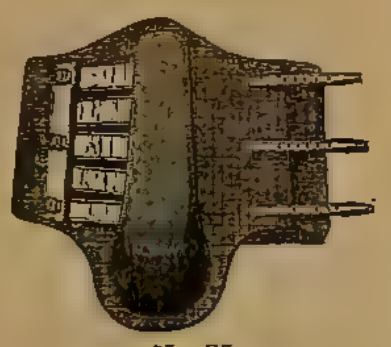

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Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47:20

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EAGLE PAPER MILLS.

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—FOR—

SHEEP WASH

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THE NEW SHEEP DIP.

We invite our wool growers to call on us and examine the NEW OMAHA SHEEP DIP the best preparation yet offered—one gallon dip makes 120 gallons wash.

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Which is Justly Called the "King" of Rakes.

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Capital, $5,000,000.

With Unlimited Liability of Stockholders.

Capital	$5,000,000
Capital—paid up	1,000,000
Assets	1,935,535
Re-Insurance Reserve	345,339
All Other Liabilities	189,075
Surplus for Policy-holders	1,450,941
Premiums received to May 31, 1878	7,495,177
Losses Paid to Date	4,600,092
U. S. Bonds deposited in Oregon	50,000

UNDERWRITE, THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandise, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

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FISH BROS. & CO.,

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WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

USING NOTHING BUT

First-Class Improved Machinery and the Very Best of Selected Timber,

AND BY A THOROUGH KNOWLEDGE OF THE BUSINESS, WE HAVE JUSTLY EARNED THE REPUTATION OF MAKING

"THE BEST WAGON ON WHEELS."

We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No ———, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {Titus W. Fish, Edwin B. Fish, Jno. C. Hendrie,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. Send for Prices and Terms, and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.

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GEO. A. DAVIS,

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The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

☞Full Directions for Use Accompany every Box.

—ALSO—

CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

Clarke's

LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury* or *other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1872.

TO MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed good *health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON.

LONDON BOARDING HOUSE, ALBION STREET,

WARWICK, September 23, 1874.

TO MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)

[illegible]
—Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus:

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for those medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir:*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,

GALEN CLARK,
Commissioner Yosemite Valley.

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, coming from so high a source, we feel it a duty we owe to the public to give it the following letter

SANTA CLARA, SANTA CLARA COLLEGE.

COL. WARREN—*Dear Sir*

Heretofore we have had no occasion of trying the Eucalyptus Medicines, in Pills or Liquids, but we have commenced to use them, and we find them very beneficial; some of our Fathers find a great relief in their complaints; the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare. Yours respectfully,

A. CIENI, S. J.

At later date we received the following, another proof of the virtue of this Medicine:

The Pills we find to be a mild and beneficial cathartic. The Liquid Extract is a valuable Blood Purifier and a good appetizer. A. CIENI, S. J.

The above from Prof. Cieni, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedial.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you David Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY

David Clarke.

Manufacturing and Wholesale Chemist,

AT HIS LABORATORY,

Warwick, Queensland.

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N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

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Yosemite and Pacific Coast Views,

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Home Miscellany.

"There is no place like HOME.
Home! It should be Heaven on Earth

Written for THE CALIFORNIA FARMER.

COMING ROUND THE CURVE.

W. G. R.

There is a clever maxim,
Which I would on you impress,
Whether in joy or sorrow,
In pleasure or distress,
To keep your wits about you,
And faithfully observe,
To look out for the engine
When it's coming round the curve.

Should business cares oppress you,
And times seem hard and drear,
An honest heart and sunny smile
Will all your future cheer.
Put on the brakes, keep a sharp look out,
The maxim well will serve,
If you blow your whistle lively
When you're coming round the curve.

If a gay coquette should charm you,
With eyes and hair like night,
To make your poor heart flutter,
And telescope it quite.
You bring to mind this maxim
And then (without reserve)
To hoist the danger signal
When she's coming round the curve.

To do your duty manfully,
To cleave unto the right,
Will make life all the happier
And your joys will be more bright,
If you leave the wrong behind you
And from the right ne'er swerve;
The engine will not harm you
When it's coming round the curve.

And when the grim destroyer
Shall stare you in the face,
Remember that the lot of all
Is a final resting place.
Don't let this thought unman you,
But be a man of nerve,
But look out for the engine
When its going round the curve.

THE RING MY MOTHER WORE.

The earth has many treasures rare,
In gems and golden ore;
My heart hath one, more precious far—
The ring my mother wore.
I saw it first, when I, a child,
Was playing by her side,
She told me then 'twas father's gift
When she became his bride.

I saw it oft in sorrow's hours,
Which marked the after years,
When shining on the soft white hand
That wiped away my tears
And, oh! I saw it once again,
When, on her dying bed,
She lifted up her hand in prayer,
And laid it on my head.

Beside that bed, where fell my tears,
The ring to me was given;
She placed it on my hand, and said,
"We'll meet again in heaven!"
I kissed the cheek I oft had pressed,
From which the rose had fled;
And, bowed with grief, stood motherless,
Alone, beside the dead.

Among the blest in realms above,
Where sorrows are unknown,
Oh, may I meet my mother dear,
No more to weep alone.
Her dying words of love and faith
I'll cherish evermore
Within the heart which holds so dear
The ring my mother wore.

TRIED GOLD.

Get the spindle and distaff ready,
God will send the flax;
So makes the bee, from summer flowers,
Honeycomb and wax.
Work the six days, pray all seven,
Trust the rest to the grace of Heaven.

Cast thy bread upon the waters,
Ask not gain or praise;
Then shalt eat it fresh and sweet,
After many days.
Work the six days, pray all seven,
Leave the rest to the grace of Heaven.

Winds may blow, but the tree God planteth
Taketh deeper root;
Winds that shake it can not break it,
It shall bear good fruit.
Work the six days, pray all seven,
Leave the rest to the grace of Heaven.

Never wish for tarnished wages,
Fraud and lying pay;
Unto every evil doer
Comes the evil day.
Work the six days, pray all seven,
Trust the rest to the grace of Heaven.

He doeth well who doth his best,
He doeth well who strives;
Noblest efforts may sometimes fail—
Never noble lives.
Work the six days, pray all seven,
Trust the rest to the grace of Heaven.

A Glorious Sight.

A pleasant sight met our gaze on Friday afternoon, when we beheld two brothers representing two important lines of trade, in pleasant, social converse in the dry goods establishment of the eldest brother. Both have passed the age of threescore, yet are remarkably well preserved, and each in their separate line of business have always taken a front rank in the market. They had on this occasion thrown off the breaks of care and were having a brotherly social time.

"Pa," said a little boy, five years old, "I saw a lion and a lamb lying side by side in the meadow this morning." "Tut, tut, James, don't tell such stories" said the father. "I tell you I did," persisted the child, "but it was a dande-lion."

THE BLUES.

As the spring season comes on, almost every one begins to suffer more or less from this intangible but very decided complaint. It would seem as if the lovely spring days, the warm sunshine, the sight of budding trees and springing flowers, would put new life in our veins; and, to a certain degree, they do freshen us and do us good; but we almost all overtax ourselves in the spring. If there is any season of the year when children should be leniently treated as to lessons, it is in the spring. Housekeepers that are wise will clean house in the fall; the spring cleaning is a sure precursor of colds and nervous fevers and utter prostration.

But before, or sometimes in the place of, colds and fevers we have the "blues." Things are no worse than they were a month ago, but we can only look on the dark side. If Bridget breaks a dish, it is always, at this season, the one you cared for most. The children's mischievous pranks are almost unbearable, and it seems as if John whistles "Silver Threads Among the Gold," so indefatigably just to aggravate one. "I feel cross and nervous and tired—you ought to feel so, too," is, I fear, the secret opinion of too many of us when we feel "blue."

Now a man, when he is in this mood, generally knows how to treat himself. He will manage a half holiday, by hook or by crook, and take a brisk walk, or, if that is impossible, he will determine not to think of his anxieties until he is in better spirits. But a woman—especially young women and girls—act so differently.

Mary "feels blue," so she does not exert herself to dress, but sits sewing—the very worst thing one can do when low-spirited; or, being a very conscientious girl, perhaps she suddenly remembers that she resolved some time ago to read Locke on the Understanding, or Bacon on the Advancement of Learning. She is about as fit to read such works as if she should undertake to eat a pound of beefsteak when she had not a particle of appetite. She sits and pores over the book and wonders that things look horribly dull and flat to her all day!

I venture to say if Mary had given herself a good day's work, such as sweeping and dusting her room, arranging her bureau, etc., and then taken a brisk walk, taking a little thought as to her "best things," would have vanished.

But again, a young wife and mother feels blue. She has been looking over the children's clothes and sewing for dear life for a week past. Bridget is saucy, and somehow the pretty home that she loves so much seems narrow and confining. I say to such a one, at almost any cost get out of your own house, for a day at least. It is good for us to hold our children and husbands off at arm's length, once in a while, as an artist does his picture; we get a better view and forget the little blotches here and there that annoyed us.

I have a friend who says whenever she feels blue she puts on her best clothes, and really some of us will find that will do us good. Find out some one to help or to cheer if you can, but do not refer to your down heartedness. The moment we confess a feeling, be it love, hatred or low spirits, we intensify it. Act and speak cheerfully and you will find you are feeling brighter soon.

I should like to whisper a word to some of the husbands scattered through the land. In the spring of the year "mother" gets nervous—she snaps at the children, tells Tom too sharply to "stop that whistling," and perhaps suddenly breaks down and takes to her bed. The poor husband is completely surprised—can't understand the matter at all. He goes to his business, or works upon his farm day after day, and is in and out from morning till night. He sees his business friends from day to day, and seldom is troubled with the children's racket, for they are trained to be quiet and to have everything in order when papa comes home.

But all through the long winter how different it has been with the wife. She has been, from morning till night, from week to week, and month to month, with three or four children constantly demanding her care, her thought and patience. Her servants are a care, and part of the time, if in the country, she may have been without any. In nine cases out of ten, she has not been free from this care, away from the four walls of her home, for two days at a time within six months. She needs to breathe a new atmosphere, to see some other scene than the home scene, be it ever so lovely.

You propose leaving home—she "can't manage it," but this should not be allowed. Let us women be more unselfish in the matter. If you have a friend who is tied to her home by the care of two or three children, can't you offer to keep house for her for a week or two? Even suppose you merely exchange houses for a time—any change is good.

If more husbands would but realize that their wives must have their holiday from the care of children and servants, and that this holiday had better come in the spring of the year, I am sure that we should have fewer people suffering from the blues. But there are some who are tied to their post; who have no choice—is there no help for them? He who gave them their lot in life is ready to give them strength to bear it; but they must ask for that strength, and the great trouble is we forget that we do not get strength for the morrow's task. Go for the daily, the hourly task, being sure the work we are doing is our's, not another's, and we will never be refused.

I must add one word to explain that "not another's." Women—Christian women—are so foolish in this matter. Perhaps they are told by a thoughtless husband to make bricks without straw, and instead of just not doing it, they turn, and twist, and contrive, and what comes of it? Having managed once, they may do it again. As long as there is money for tobacco and cigars there is no need of a woman wearing her strength out day after day to do the work of two. Where there is no money, of course, the task is really hers, and she must try to do it. In the same way many a mother toils from morning till night, doing work she should leave to her daughters. Taking the burdens of others is not always our duty, and when we are not in the path of duty *we do not get strength*.—HOPE LEONARD, in *Christian Union*.

MATRIMONIAL COURTESY.

There is no greater bane to domestic happiness than excessive familiarity, and yet there is nothing that more frequently follows the conjugal tie. Before marriage there is a mutual effort to please; there is mutual deference, mutual respect; all of which preserves love in its freshness, and causes the object of admiration to appear endowed with charms beyond those which nature and cultivation may have bestowed. No sooner, in most cases, has the vow been pronounced which makes the tie indissoluble, than all the arts of courtship are neglected and forgotten. This should not be so, for the happiness of the married state is thus dangerously jeopardized. On all principles of sound philosophy, the husband is entitled to at least as much attention and consideration as the lover received, and the wife should be the recipient of more care, consideration and solicitude than were bestowed upon the affianced bride; but how often are these relative rights and duties observed? The honeymoon is scarcely over when the gentleman lounges about the house, smokes his cigar where he pleases, elevates his feet on the mantel-piece, gives utterance to ribaldry or profanity, and talks to his wife in a style that he should not venture to use to a domestic; and on the other side, the picture is just as bad. The lady who was so neat, tidy, elegant and graceful before marriage, has become absolutely untidy and slovenly. She arranges her hair, and dresses for strangers, but anything will do to wear before her husband; nor is the looking glass consulted that he may be pleased. There is no deference paid to his wishes when expressed, and there is no attempt made to ascertain what his wishes may be. Carelessness and familiarity go hand in hand until mutual respect is entirely destroyed, and love becomes an attenuated shadow, or a ridiculous mockery. And what follows then? Either a life of perpetual jarring and strife, or a divorce—a divided household and a stigmatized family.

There must be familiarity between husband and wife; there may be familiarity between friends, but if either overstep the bounds of respect and decorum there is great danger to the association. The husband should give utterance to no thought or language in the presence of his wife that ought to shock the mind or the hearing of any other lady, and he should make her the first consideration, above all others. His respect would beget reciprocal solicitude on her part, and her solicitude would be calculated to produce a like result in him. If but a tithe of the care, which was expended in gaining the affections, should be employed in preserving them, there would be a marked diminution of domestic unhappiness, and one branch of practice would gradually disappear from the jurisdiction of the courts. Conjugal courtesy should be a study more important than all the poetry and romance in any literature, for on its practice depends greatly all the poetry and romance of conjugal life.

[A writer in *Woman at Work*, J. A. N., presents a very true picture of what married life should be, and which by reason of the non-fulfillment of these all important duties, the many family wrecks that are presented in our courts are the fruits of it.—ED. F.]

THE NEXT BEST THING.

"Mr. Moncton," said my grandmother, "I have no wood to burn to-day. What shall I do?"

"O, send Louisa around to pick up some," said the good man, making a stride toward the door.

"But she has picked up all she can find."

"Then let her break up some old stuff."

"But she has broken up everything already."

"O, well, then, do the next best thing—I must be off," said the farmer; and off he was, whistling as he went, and no doubt wondering in his heart what the next best thing would turn out to be. Noon came, and with it came my grandfather and four hungry laborers. My grandmother stood in the kitchen, spinning on her great wheel, and singing a pleasant ditty; Louisa was scouring in the back room, and the cat purring on the hearth before a black and fireless chimney, while the table sat in the middle of the room ready for dinner with empty dishes.

"Well, wife, here we are," said my grandfather, cheerily.

"So I see," said she, placidly. "Have you had a good morning in the cornfield?"

"Why, yes; so-so. But where is dinner?"

"In the pot on the door-step. Won't you see if it is done?"

And on the door-step, to be sure, sat the great iron pot, nicely covered, but not looking particular steamy. My grandfather raised the cover, and there lay all the ingredients of a nice boiled dinner—everything prepared in the nicest manner, and all the vegetables as raw as they had ever been. My grandfather stared, and my grandmother joined another roll to the yard upon her distaff, and began another verse of her song.

"Why, woman, what does this mean?" began my grandfather, indignantly. "This dinner isn't cooked at all?"

"Dear me, is it not? Why, it has set in the sun these four hours."

"Set in the sun!"

"Yes; you told me to try the next best thing to having a fire, and I thought setting my dinner in the sun was about that."

My grandfather stood doubtful for a moment, but finally his sense of humor overcame his sense of injury, and he laughed aloud. Then, picking up his hat, he said, "Come, boys, we might as well start for the woods. We shall have no dinner till we have earned it, I perceive."

"Won't you have some bread and cheese before you go?" asked my grandmother, generous in her victory, as women always are. And so she won the day."

[Here is a capital lesson for many thoughtless husbands, who leave their wives to do the chopping of wood and hauling water and never lift a helping hand.—ED. F.]

Beauty, like the flowering blossoms, soon fades; but the divine excellence of the mind, like the medical virtues of the plant, remains in it when all those charms are withered.

A SENSIBLE COLLEGE.

Girls are admitted to the Iowa Agricultural College and taught all sorts of queer and absurd things. For instance, the authorities there have the funny notion that girls ought to know how to cook! Every girl in the junior class has learned how to make good bread; weighing and measuring her ingredients, mixing and kneading and baking, and regulating her fire. Each has also been taught to make yeast and bake biscuit, pudding, pie and cake of various kinds; how to cook a roast, to broil a steak, and make a fragrant cup of coffee; how to stuff a turkey, make oyster soup, prepare stock for other soups, steam and mash potatoes so that they will melt in the mouth, and, in short, to get up a first-class meal, combining both substantial and fancy dishes, in good style. Theory and manual skill have gone hand in hand. Vast stores of learning have been accumulated in the arts of canning, preserving and pickling fruit, and they have taken practical lessons in all the details of household management, such as house furnishing, care of beds and bedding, washing and ironing, care of the sick and numerous other things. It is not stated whether the girls are taught how to get up in the morning and build fires, but no doubt such a useful branch of information receives the attention its importance demands. It is hard to see what use a modern young lady can make of these lost arts. These things can't be done in a parlor, with nice gloves on. Such a course of instruction must totally unfit a young lady for the grave duties of life, such as flirtation, reading *Ledger* stories, gossiping and all things of this nature that must be attended to. Still, it is just possible that numbers of sensible young men can be found who will just be idiotic enough to marry these Iowa girls in preference to the nice young ladies, whose knowledge of housekeeping ends at piano pounding and handkerchief flirtation.

Effects of Perfume on Health.

We learn that an Italian professor has recently made some very agreeable medicinal researches, resulting in the discovery that vegetable perfumes exercise a positively healthy influence on the atmosphere, converting its oxygen into ozone, and thus increasing its oxidising influence. The essences found to develop the largest quantity of ozone are those of cherry, laurel, clover, lavender, mint, juniper, lemon, fennel and bergamot; those that give it in smaller quantity are anise, nutmeg, and thyme. The flowers of the narcissus, hyacinth, mignonette, heliotrope, and lily of the valley develop ozone in closed vessels. Flowers destitute of perfume do not develop it, and those which have but slight perfume develop it in small quantities. Reasoning from these facts, the professor recommends the cultivation of flowers in marshy districts, and in all places infested with animal emanations, on account of the powerful oxidising influence of ozone.—*Medical Press.*

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THE HIGHEST INHABITED POINT.

SOMETHING ABOUT THE LIFE OF THE SIGNAL SERVICE OBSERVERS AT THE TOP OF PIKE'S PEAK.

[A correspondent of the *Boston Journal* gives the following very interesting sketch of that wonderful place. "Pike's Peak," believing our readers will be interested in it, we give it.—ED. F.]

The United States Signal Service Station at Pike's Peak is the highest signal station in the world; it is also the highest inhabited portion of the globe. It was opened in the month of September, 1873. That it was a wise provision of the government in establishing a signal station at this point is no longer questioned, the facts having already demonstrated its practicability, and the present success promises that Pike's Peak Signal Station is yet to stand at the head of all astronomical and meteorological stations in the world. This point is wonderfully favored by nature for the study of astronomy and meteorology. The purity of the atmosphere brings out a remarkable brilliancy and clearness to the stars and all the heavenly bodies. The nights are almost always cloudless, and cloudy days are the exception. Nine-tenths of the storms are below the Peak. The best and most complete report of the last total eclipse of the sun received at Washington was the report of Prof. Loud, of Colorado College, from observations taken at Pike's Peak.

The signal station is now under the charge of Sergeants Choate, Blake and Sweeney. These men are detailed from the Army because of their peculiar adaptability and special qualifications for the accurate execution of the nice duties of taking astronomical and meteorological observations. To Sergeant Rufus Choate I am greatly indebted for the particulars embodied in this article.

The summit of Pike's Peak contains 60 acres. It is 14,336 feet above the level of the sea. On the highest point of the summit stands the signal station, a rough stone building, 24 by 30, one story in height. It is divided into four rooms—officer's room, kitchen, store-room, and wood-room. And here on this bleak spot, nearly 20 miles from the habitations of man, though three miles nearer the heavenly regions than most parts of New England, these men live the larger part of the year. The ascent is three miles from the timber-line, where the greater part of vegetation ceases. Short grass, inlaid with delicate Alpine flowers, struggle for an existence against the frigidity of the atmosphere, and creeps toward the mountain top; but soon there hundreds of acres of cold gray and reddish rocks where not a vestige of verdure exists.

Like the dwellers of the arctic regions, the inhabitants of Pike's Peak have but two seasons—summer and winter. Two months of summer—August and September—and ten long, cold months of winter. The season passes quickly. The atmosphere is congenial; the many visitors at the station enhance its social life with joy, woderment, and mirth. During the summer of 1873, upward of 300 people, in parties of from five to thirty, visited the Peak, among them many ladies. They gathered from the four quarters of the globe, and they all expressed an admiration and astonishment at the grandeur and sublimity of the wonderful views as seen from the Peak. To behold a sunrise from the Peak is an event of a lifetime, and for this purpose visitors often remain over night at the station, to be ready to catch the first glimpse of the sun as it appears above the horizon, flooding with its bright rays the mountains, hills, valleys, and plains, to the wonder and delight of the amazed beholder.

The duties of the officers are various. Seven observations are taken daily; all storms are closely watched and each special and distinctive characteristic duly recorded. Sunrise and sunset demand close attention. Every peculiarity of the heavenly regions is viewed and a record made of the same, and monthly reports of these records are sent to head-quarters at Washington. The present year has been unusually prolific in sun-dogs, which, it is said to pronosticate earthquakes, subterranean explosions, immense freshets, and troublous times. The government office at Pike's Peak is no sinecure, for the officer must buffet all storms and brave all weathers. Occasionally an electric storm visits Pike's Peak. There is but little thunder accompanying these storms, but the mountain seems all on fire. Sergeant Choate informs me that when he was out observing one of these storms it appeared as though the whole mountain top was a sheet of electric flame. It came out of every rock and crevice around with wonderful audacity. It played around him; and, as he expressed it, shot down from the sky and darted out of each boot toe, and so completely filled him with electricity that he could not retain his foothold, but bounded and rebounded from the rock like a rubber ball; he felt as though a powerful electric battery was pouring its darts all through him, and deeming "discretion the better part of valor," he bounded into the signal station for preservation. Sergeant Choate was at the Springs in December, and on December 21 he left for the Peak, wearing Norwegian snow-shoes 12 feet in length. It was a weary task and a dreary trip. The first night out he slept in the snow on the mountain's side. The second night the mercury fell to 20 degrees below zero. He sought shelter in a deserted cabin through which the wind whistled tunes anything but agreeable, here he built a small fire, but avoided sleep, fearing the extreme cold might produce the sleep of death. The third day he reached the station safely.

The summer months are also occupied in preparing for the long siege of winter. During the months of August and September upward of three thousand pounds of the usual variety of family stores, and about twenty-five cords of fire-wood are snugly stowed away. These are all carried to the Peak in small quantities, on the back of the poor, despised Burro, whose head has the appearance of being incased in cloth, and whose ears are nearly the length of his legs, and who walks at the pace of a snail, and a very slow snail at that.

HONORABLE POLITICS.

[In the EDITOR'S CHAIR of *Harper's Magazine for June* we find the following very just strictures upon *political matters*, it would be well if the Journals of this City and State would copy this article over some of their editorials as a contrast.—ED. F.]

Honorable politics, although they may lead to civil war, need not occasion personal ill-will. But then honorable politics imply a respect of treatment, a freedom from misrepresentation, or taunt, or calumny, or ridicule, or innuendo, which are seldom found. When a man charges an opponent with unconstitutional conduct, or insists that he favors a course which is prejudicial to the public welfare, he merely states that his opinions differ from those of his opponent, and, of course, one opinion may be as defensible as the other. When Webster and Hayne differed as to the nature of the Constitution, and each maintained his view with arguments, there was no reason whatever that they should not eat together the quiet chop, nor smoke the peaceful pipe. But when one gentleman asserted that his opponent supported a system which was the sum of human villainies, demoralizing to all who were brought within its sphere, and making them man-stealers, brutes, and assassins, it was hard to separate the abstract view from its concrete application. It is true that the accused might reply that the charge sprang from ignorance, and could not be accepted as a sincere assertion; but, on the other hand, if a man really believed that the person, the associate, or the colleague of whom he spoke was in fact a thief and a murderer, he could not honestly treat him as if he were a gentleman. If he did not think so, he had no right whatever to say so, and he showed himself to be no gentleman.

A member of Congress accepted an invitation to the house of a colleague. "Do you think him an honest man?" asked a friend. "No, I think him a black scoundrel." "Why do you go?" "Because he is my colleague." That kind of courtesy is corrupting in the highest degree, because it makes a certain position screen rascality. All that black scoundrels have to do, then, is to secure such a position, and they will be treated as honorable men. But if this member of Congress did wrong in socially countenancing a man whom he believed to be a rascal, how could he have done right in taking the quiet chop and smoking the peaceful pipe with another man whom he believed to be a much greater rascal? When an especially brazen and outrageous offender is arraigned before any kind of tribunal, there is always some one who thinks to establish his own charity by saying that he who is without sin may cast the first stone. As a reproof to censoriousness, which was the significance of its first application, this is a wise and timely maxim. As an exhortation to constant forbearance and charity, it is a comfortable scripture. But when a fellow is caught smearing a baby with kerosene and scraping a match, or in the act of blocking the track of an elevated road so as certainly to throw the train into the street below, is it then Christian charity to whisper that he who is without sin may cast the first stone? Then let us close the courts and raze the prisons, and the more wanton and cruel murders an assassin commits, the more heavenly let our charity be in blessing him on his way to commit more.

The reason why so few marriages are happy is because young ladies spend their time in making nets, not in making cages.

There are prating coxcombs in the world who would rather talk than listen, although Shakespeare were the orator and human nature the theme.

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PHIL. M. SPRINGER, Sec'y,
Springfield, Ill.

PATENTS

In connection with the publication of the *Scientific American*, we continue to act as Solicitors for Patents Caveats, Trade Marks, Copyrights, etc., for the United States, Canada, Cuba, England, France, Germany, etc. In this line of business we have had *thirty-three years' experience.*

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WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses a all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer.

A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to all—handsomely got up and finely bound Price, $2.50, worth ten times the cost. 45:21

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—FOR—
CLARKE'S EUCALYPTUS OIL,
Sure Cure for Rheumatism.
For Sale at 320 Clay Street.

J. M. THORBURN & CO.,
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TREE SEEDS.

SOLICIT Orders for the above from the TRADE, also, *GLADIOLUS* and all other *BULBOUS ROOTS.*
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The following valuable new works just received at THE CALIFORNIA FARMER OFFICE, 320 Clay Street, worthy special attention.—

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A most valuable work, one volume, 600 pages, fully illustrated with 200 engravings.

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A most interesting volume of nearly 1200 pages, admirably illustrated; Also, "Science in Story" in five volumes, most admirably written and most inviting to every reader and conclusive in the arguments of every story

These Volumes are all Edited by Dr. E. B. Foote, and issued by the Murray Hill Publishing Company, of Chicago, Ill., and for sale at the FARMER OFFICE.

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—AND—
JOB PRINTING.

POSTERS, CARDS,
—AND—
CIRCULARS,
PROMPT, CHEAP AND GOOD
AT THE LARGEST PRINTING HOUSE
On the Pacific Coast.

COMMERCIAL
STEAM MAMMOTH
PRINTING HOUSE.

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44:1 PROPRIETORS.

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We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA IS A PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows:—All line advertisements will be ONE DOLLARS for Five Lines, or less, Nonpareil, *first insertion*, larger space, *Fifteen Cents per Line*; each subsequent insertion, *Ten Cents per Line.* This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community.

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $20.00.

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For a six le month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable; the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the abov rate

WARREN & CO., Proprietors,
320 CLAY STREET, SAN FRANCISCO.

COMMISSION
SALES-ROOM,
—AND—
Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass o purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, o for any articles of MERCHANDISE for our FARMERS or HANDSMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and every article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

BOOKS---SEEDS---TREES

All rare and choice things can always be purchased as above.

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE,
AND ALSO UPON
TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 5 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED.

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine **Patent Bee Hives** of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,
320 Clay Street,
SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Liniment for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Liniment is needed, as it has been proved to be the best Liniment known.

FOR SALE,
Wholesale and Retail,
WARREN & CO.,
320 Clay Street,
AGENTS FOR DAVID CLARKE'S REMEDIALS

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill t*" this we cannot do without CASH, or a special understanding before hand.

WARREN & CO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, May 29, 1879.

Money and Exchange Tables.

Exc. on England, new style, long and short	4 88 a 4 89½
Gold, 4% par	— 1 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	9s 4d.a 9s 1d.
Value of Club Wheat in Liverpool	9s 1d.a 9s 2d.
Value of Wheat in New York, bushel	1 02 — 1 13
Brewers Barley in New York, bushel	80 — 1 00

MONEY AND EXCHANGE TABLES.

The *Money Markets* of the world are now greatly agitated by the actions of "money kings" in Europe and in our own country—the immense purchases of U. St Bonds shows there is an abundance of money in all the marts of the world.

England France and Germany hold full coffers, and the United States Treasury holds as much as them all, as the U. S. Treasury has now approximating $500,000,000 under control, and this is the cause of the apathy of trade in many portions of our country.

This drain of gold from the people to the vaults of "Uncle Sam" of course checks trade and business, and until a new move is made, and a circulation of this vast hoarded amount begins, business must be stagnant, and we cannot expect it otherwise.

The rates of money in all Europe is low, low in New York, here rates as before.

It is remarkable indeed the steady rise of United States 4 per cent bonds, soon they will reach 5 per cent premium.

GRAIN AND FLOUR MARKET.

The *Grain Market* is not as hopeful or prosperous as could be hoped for, contradictory reports from Europe affect the market, one day to start upward, the next check again—and were it not for engagements to load ships under contract, this trade would be flat indeed.

Millions of grain bags are being offered at public auction by reason of want of cash customers, the new Constitution cuts off credit, and cash or no bags is now the word.

The *Agricultural Implement Trade* has been far behind all former years—cash for harvesting implements is the word generally, and as our farmers worked against capital, they are now short of money, and are obliged to make old implements do this year, so much for the new Constitution and its results to farmers.

The export of *Flour* continues but in lessened quantities, at prices a little lower, as concessions are made in wheat

The *Wheat market* is a shade lower, and the certainty of a very large harvest this year, with a much larger surplus still on hand than was supposed, will tend to keep down prices of grain till the new harvest.

Reports from the Liverpool market are not favorable for higher rates, as wheat and corn pour into Liverpool and London freely and stocks accumulate.

The *Barley market* is still very low, even with some considerable export, yet prices seldom as low down as this month—but as the crop of barley will be large this year, prices must rule low unless new and better markets open abroad.

Corn, Rye, Oats, and *Buckwheat*, all remain slack in demand, sales dull, receipts more than sales generally

The list of *Feed Stuffs*, such as *Bran, Middlings, Ground Barley, Corn Meal,* and *Oil Cake Meal* are as last reported, or nearly so.

The *Hop market* is still low down, it does not pay to grow them, and many are abandoning their culture; in the willow region, San Jose, famed for the finest hops grown, they are being plowed up and the land laid off into building lots and offered for sale.

The *Honey market* is now full, even while reports say that the crop of the State will not be more than half to three-fourths of the usual crop, even now the price rules very low, and with large exports too, as we reported last week, to which we refer—*Beeswax* remains low.

The *Potato market* is well and fully supplied, both old and new, old potatoes sell all the way from 25 to 60 cents the 100 pounds—new and choice sell at $1 to $1.50—*Sweets* a few, scarce, $3—and *Onions* down low, the new crop $1.25 to $1.50.

The *Bean market* is well and fully supplied, and the prices range from $1.50 to $3, and limas $5 to $6

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 45 — 1 50
do Choice do.	1 60 — 1 62
do Milling do.	1 62 — 1 65
Barley, per 100 lbs., feed	55 — 62
Barley, for brewing, (Chevalier)	80 — 85
Rye	85 — 90
Oats, California, per 100 lbs.	1 40 — 1 50
Corn, do. do.	77½ — 80
Flour, Superfine, per bbl	4 00 — 4 25
do. Extra	4 25 — 4 50
Extra Flour for shipping	5 00 — 5 25
Very Extra Family Flour	5 25 — 5 75
Oregon Superfine	4 00 — 4 25
do. Extra for Shipping	4 75 — 5 25
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 20 — 1 40
Bran per ton	13 50 —14 00
Middlings per ton	17 50 —18 00
Ground Barley	18 00 —19 00
Oil Cake Meal, for feed, per ton	—30 00
Beans, per 100 lbs, various	1 75 3 00
Beans, Lima	5 00 — 5 50
Potatoes, common	20 — 50
Potatoes, choice	1 10 — 1 20
Early Rose	1 25 — 1 40
Sweet Potatoes	2 40 — 2 50
Onions, new	1 00 — 4 00
Hay per ton, ordinary	7 50 — 9 00
Hay per ton, extra	11 50 —13 00
Wheat Hay	12 50 —13 00
Alfalfa Hay	—
Straw per ton	5 00 — 6 00

Retail Prices in the Fruit Market.

The *Fruit market* is not all we could wish, as we see poor fruit shows, "that don't pay"—none but the best should be sent to market—apples still hold out—pears gone—semi-tropic fruit, a liberal supply, but not as good as we wish, or that it might be with better and more careful culture.

Strawberries abundant and cheap. Cherries more plenty. Apricots just come. Raspberries made first peep." Currants now in market freely. Island fruits plenty.

Apples, per box	75 — 1 50
do. do. lb	6 — 8
Pears, per box	1 50 — 2 00
" per lb	8 — 10
Figs, dried, per lb.	12 — 15
Tahiti Oranges per doz.	20 — 30
Lemons, imported, do.	30 — 50
Limes, do do.	20 — 25
Pine Apples, each	75 — 1 00
Bananas, per bunch	2 50 — 3 50
California Oranges, per dozen	10 — 43
" Lemons, "	30 — 40
" Limes, "	15 — 25
Cherries	10 — 30
Strawberries	5 — 10
Gooseberries	10 — 12
Persimmon	20 — 25
California Walnuts, per pound	8 — 12
Almonds, hard shell, per pound	12 — 15
do. soft shell, do.	16 — 18
Foreign Pecan Nuts	12 — 15
Madeira Nuts	12 — 15
Foreign Brazil Nuts	15 — 20
Filberts	12 — 15
Cali. Walnuts	7 — 10
Pea Nuts	5 — 10

Retail Price in the Vegetable Market.

The supply of *Vegetables* abundant and cheap, and fresh daily and very nice—our markets can boast of this department truly

Asparagus	4 — 6
Artichokes, (French) per doz.	15 — 20
Tomatoes, per lb	20 — 25
Beets, per doz	— 25
Broccoli, each	8 — 10
Cauliflower	8 — 10
Cabbage, do.	8 — 10
Carrots per doz.	— 25
Celery lo.	75 — 1 00
Celery Root per dozen	— 75
Cress, per dozen bunches	10 — 12
Cranberries, per gallon	60 — 80
Dried Herbs, per doz.	30 — 40
Green Peas, per lb	4 — 5
Lettuce per doz. bunches	12 — 12
Onions per lb.	5 — 6
Horseradish, per lb.	12 — 15
Okra, green, per lb	— 50
Okra, dried, per lb	14— —
Choice Potatoes	4 — 5
New Potatoes	— —
Potatoes choice, per 100 lbs	1 50 — 2 00
Kidney Potatoes, per lb	2 — 3
Pumpkins	1½— 2
Parsnips, per doz. bunches	— 20
Salsify, do. do.	— 20
Parsley, do. do.	15 — 20
Pickles, per gallon—	40 — 50
Radishes per doz. bunches	6 — 5
Rhubarb, per lb	4 — 6
Squash, Marrowfat	— — 3
do. Hubbard	— — 3
Lima, Dry	8 — 10
String Beans, per lb	6 — 8
Spinage per lb	— — 8
Salsify, per bunch	4 — 5
Turnips, per doz	— — 20
Garlic	8 — 10
Eschalot	15 — 20
Mushrooms	8 — 10

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea. Our salmon beat the world for this choice fish—some extra fish are now in market.

Salmon have been selling in our markets as low as 25 to 50cts. for a whole salmon, and in Oregon they use salmon to manure their orchards.

Salmon ₱ lb.	4 — 6
do smoked new	10 — 12
do pickled, ₱ lb	6 — 10
Lake Bigler Trout each	15 — 20
Lake Tuglee Trout, extra	20 — 25
Smelts, per lb	— — 10
Perch do.	— — 10
Rockfish do.	— — 10
Codfish, dry, per lb	— — 8
Herring, fresh, per lb.	— — 25
do smoked, ₱ doz	— — 12
Tomcod, per lb	— — 10
Sardines, fresh, per lb	— — —
Solefish, per lb	15 — 20
Mackerel pickled, each	— — 25
Shrimps, per lb	8 — 10
Flounders do.	12 — 15
Sea Bass do.	20 — 25
Halibut do.	40 — 50
Sturgeon do.	2 — 4
Turbut do.	30 — 40
Terrapin, ₱ doz	2 50 — 3 00
Pompono do.	— 2 50
King Fish do.	— — 25
Anchovies do.	12½ — 15
Frogs, per doz	2 00 — 2 50

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market. Oysters are showing nice and fat and the public appetite now craves this delicious bivalve. Every day a grand show in our market—if you desire the choicest of these luxuries, go to Geo. Mayre in California Market.

Oysters ₱ 100 choice	75 — 1 00
Chesapeake oysters per dozen	50 — 75
Cray Fish, per lb	12 — 15
Clams per 100	— — 50
Mussels do	— — 25
Crabs, boiled, each	— — 25
do soft, per doz	— — 50

Retail Meat Market.

The *Retail Meat market* furnishes all the choicest kinds at unusually low figures for this season of the year, and thus is an unusual full market.

Porter House	15 — 18
Porter House, extra	20 — 25
Beef, tenderloin, per lb	15 — 18
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	5 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	16 — 12
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	10 — 12
Beef tongues, each	— — 75
Pigs tongues, each	— — 15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	13 — 15
Choice hams, Duffield	16 — 18
Whitaker, St. Louis, Mo	15 — 18

Poultry and Game Market.

The *Poultry Trade* is fair, supply good, sales are at good rates, some game yet at fair prices, a fair general market.

RETAIL PRICES.

Ducks tame each	75 — 00
Geese tame, per pair	2 00 — 2 50
Broilers	40 — 50
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	22 — 25
Pigeons, domestic, per doz	4 00 — 4 50
Hares each	25 — 38
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00

Poultry and Game—Wholesale.

Broilers, per doz	3 00 — 5
Large Chickens, per doz	6 00 — 7
Hens, per doz	6 00 — 7
Turkeys, dressed, per lb	16 — 18
Ducks, tame, per doz	5 50 — 7 00
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Rabbits, tame, per doz	1 50 — 1 75
Squirrels, per doz	75 — 1 00

Retail Dairy Market.

The *Dairy market* is flush, the amount of fresh butter is large, an overstock now and prices rule low, common and firkin butter cheap. Cheese lower, Eggs are firmer and sales better.

Butter, California, Extra Choice per lb	25 — 30
do. do. for (Cooking) do	20 — 22
do. do. packed best roll	22 — 25
do. do. Eastern	20 — 25
California Eggs, per doz	22 — 25
Oregon	— — 20
Duck Eggs, do.	— — 25
Cheese per lb	15 — 20
do. Sage, per lb.	25 — 30
Eastern Cheese, do.	25 — 30
Lard, California, per lb	10 — 18
Lard, Eastern, do.	— — 18
Honey, Comb	12 — 15
do. Strained	8 — 12
Vermont Maple Sugar, per lb	— — 20

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb. (Fresh)	21 — 23
do. Roll, do.	20 — 21
Eastern Butter	16 — 20
Cheese, California, per lb	10 — 13
California Eggs, per doz	20 — 21
Eastern Eggs, per doz	18 — 19
Duck Eggs, " "	18 — 20
Lard, per lb., in tins	12½— 14
Eastern Lard, per lb., in tins	12 — 15

Grain, Wool, Potato Bags, Etc.

The *Bags and Bagging Trade* is at a stand still, we guess there is an overstock, and of this we shall soon know we do not think with the large stock of bags in the country, bags can go higher, and those who have bought to hold will soon loose their grip—and we shall see. One thing is very certain the grain grower must buy his bags this year on the new tack—CASH even if it pinches—this is according to the new Constitution, and they must not grumble

Messrs. Neville & Co., the extensive bag manufacturers, 33 California Street, can supply our farmers at the lowest rates and on best terms.

Hand Sewed Bags, Standard, 22 x 36 com. prices	9½ — 0¼cts.
Second Hand, Extra	5 — 5½ do
Machine Sewed, 22 x 36	8½ — 9 do
do do 20 x 30	— — 8½ do
Barley Bags, 22 x 40	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— — 9½ do
Wool-sacks, new	45 — 50 do
do. second hand	30 — 40 do
Potatoe Gunnies, Double Sewed	13 — 13½ d.
do. do. Second Hand	10 — 10½ do
Flour Bags, quarters	4½ — 5 lo
do. halfs, dix qualities	7 — 9 do

Staple Home Products.

The *Home Products* of our State are telling upon our markets by a lessened importation, and we must keep our markets well supplied with the best raisins, figs, dried fruits, nuts, oranges, lemons, etc., we must grow and make the best, and supply all demands from abroad.

Flax Seed, per lb	2½ — 3
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	2 — 3½
Castor Oil No 1 Diamond in cases, per gallon	— 1 20
" " " barrels "	— 1 05
Castor Oil, No. 2 Diamond in cases per gallon	— 1 20
" " " barrels "	— 85
Linseed Oil, Boiled	— 78
do. Raw	— 72
Cocoa Oil	— 35
Hops, California	9 — 10
Alfalfa	10 — 12½
Mustard Seed	2 — 3
English do.	4 — 5
Canary Seed	4 — 5
Coriander Seed	8 — 10
Broom Corn	3 — 5
Bees Wax	24 — 26

California Leather Market Report.

The *markets* for *Hides, Leather* and *Tallow* is still quiet, but some steady trade at rather low figures, and no prospect of much improvement for some time to come.

California Sole Leather	20 — 25
do. Harness do.	28 — 30
do. Skirtings	30 — 37½
Bridle Leather	44— — 64
Rough In. Oak Tanned	16 — 22
Waxed Calf Skins	50 — 1 00
do. Kips do. per dozen	30 00 —55 00
do. Leather per foot	10 — 16

Wool. Tallow. Hides. Etc.

The *Wool Market* is more lively by reason of New York purchasers in our market, they buy all choice northern wool at even advanced prices.

The New York wool market is better, and this acts on prices here, our northern wool is excellent, but southern wool is dirty and sells low.

Wool, Spring Clip	18 — 20
do. Choice Extra	22 — 23
Fall Clip	14 — 16
Oregon Wool, per lb	20 — 25
Medium, bright	16 — 18
do. Burry	10 — 12
Goats' Wool (mohair)	20 — 75
Dry Hides, per lb	14 — 15
Green Salted, per lb	7 — 9
Deer Skins	60 — 1 00
Sheep Skins, wool on	25 — 75
do. do. plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	5½ — 6½
Tallow, refined	7½ — 8½

Average Slaughtering Prices.

The *Wholesale Meat Market* is abundantly supplied—but at low prices—the abundance of feed gives good meats, and at cheap rates.

Beef, American, 1st. quality	6 — 7 cts
do. do. 2d. do.	4 — 5 do.
do. do 3d. do.	3½ — 4 do.
do. do.	6 — 8 do
Veal	4 — 6½do
Mutton	5 — 7 do
Lamb	5 — 7 do
Pork, Undressed	3½ — 4½do
do. Dressed	5 — 6 do.

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED ACCOMMODATIONS for Passengers will leave San Francisco

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For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports; also, HAVANA and all WEST INDIES ports on 5th and 20th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

47 5

Central Pacific Railroad.

Notice to Shippers.

Please take notice that this Company will maintain, for transaction of business in Oakland, TWO STATIONS, viz:

MARKET STREET AND SIXTEENTH STREET

and to avoid delays we would request shippers to state on receipt, name of station to which freight should be delivered, as in the absence of same all consignments will be taken to Market Street.

J. A. ANTHONY, Agent.

SAN FRANCISCO, Jan. 13, 1879.

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We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, to send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a JOURNAL as the CALIFORNIA FARMER. We know our JOURNAL is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the HOME CIRCLE everywhere, as a JOURNAL free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, SPECIAL PREMIUMS OF SEEDS are donated with the paper, to benefit our State.

C. P. R. R

COMMENCING

SUNDAY, JUNE 6th, 1875,

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento, making close connections at Napa with Stages for Sonoma. (Arrive 5:35 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 5:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 8:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 9:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Caliente and Los Angeles Also at Niles with Train arriving at San Jose 9:55 P. M. (Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily. (Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND

"Daily"—7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M.; 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.

"Daily, except Sundays"—6:10 A. M. and 11:45 P. M.

"Sundays only"—10:30 and 11:30 A. M., 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4:00 5:00 6:00 and 10:30 P. M.

"Sundays only"—11:00 A. M., and 1 30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M.; 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN

"Daily" 7:30, 8:30 and 9:30 A. M.; 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—6:30, 11:00 A. M. and 11:45

"Sundays only"—10:30, 11:30 A. M. and 12:30 P. M

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 and 10:10 P. M.

"Daily, except Sundays"—5:10 and 5:50.

"Sundays only"—11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:06 and 9:00 A. M.; 2:00, 3:55, 5:00, 6:06 and 7:00 P. M.

"Daily, except Sundays"—6:00, 8:40, 11:30, A. M., and 1:30 P. M.

"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—6:55, 9:00 and 11:05 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7:30, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M., 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:20, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays"—7:20 A. M. and 1:50 P. M.

"Sundays only"—10:20 and 11:20 A. M.; 12:20, 1:20 and 1:35 P. M.

T. H. GOODMAN, General Passenger and Ticket Agent.

A. N. TOWNE, General Superintendent.

Southern Pacific Railroad

NORTHERN DIVISION.

SUMMER ARRANGEMENT.

Commencing Monday, April 21, 1879,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows.

8.20 A. M., *Daily* for San Jose and Way Stations. ☞Stages for Pescadero (via San Mateo) connect with this train only.

9.30 A. M. *Sundays only* for San Jose and Way Stations. Returning, leaves San Jose at 6 P. M

10.40 A. M. *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Salinas, Soledad, and all Way Stations.

☞AT PAJARO the SANTA CRUZ, R. R. connects with this train for Aptos and Santa Cruz. At Salinas the M. & S. V. R. R. connects with this train for Monterey. ☞Stage connections made with this train. (Pescadero Stages via San Mateo excepted.)

Parlor Car Attached to this Car.

(SEATS AT REDUCED RATES.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, Pajaro, Hollister, Tres Pinos and principal Way Stations.

☞On SATURDAYS only, commencing May 10th, the Santa Cruz R. R. will connect with this train at PAJARO for Aptos, Soquel and Santa Cruz. RETURNING, passengers leave Santa Cruz about 4:30 A. M. Mondays (breakfast at Gilroy), arriving at San Francisco at 10:00 A. M.

☞SPECIAL NOTICE—On SATURDAYS ONLY, commencing May 10th, the run of this train will be extended to SALINAS—connecting with the M. and S. V. R. R. for MONTEREY. Returning leaves Monterey MONDAYS (breakfast at Gilroy), arriving at San Francisco at 10:00 A. M.

3.30 P. M. *Sundays only* for San Jose and Way Stations.

4.25 P. M. *Daily Sundays excepted* for San Jose and Way Stations.

5.00 P. M. *Daily Sundays excepted* for Menlo Park and Way Stations.

6.30 P. M. *Daily* for Menlo Park and Way Stations.

Excursion Tickets at Reduced Rates

To San Jose and intermediate points, sold on Saturdays, and Sunday morning, good for return until following Monday inclusive, as follows:

Baden	$0.50	Fair Oaks	$1.50
San Bruno	0.50	Menlo Park	1.60
Millbrae	0.95	Mayfield	1.75
Oak Grove	0.90	Mountain View	2.00
San Mateo	1.10	Lawrences	2.25
Belmont	1.25	Santa Clara	2.50
Redwood	1.40	San Jose	2.50

Also, EXCURSION TICKETS to Aptos, Soquel, Santa Cruz and Monterey, sold on Saturdays only—good for return until the following Monday inclusive.

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A. C. BASSETT, Superintendent. U. R. JUDAH, Ass't Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

☞Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 4:00 P. M. daily, and making close connection at GOSHEN for Sumner, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton, Colorado River and MARICOPA. (156 miles east from Yuma.)

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1854. 1879.

THE

CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FIFTH year with 1878, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD of the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on the Coast—this was at Sacramento in the year of 1852, and also the GRAND FAIR at San Francisco in 1853—both the Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

THE CALIFORNIA FARMER was the first and only advocate of SILK CULTURE, TEA CULTURE, COFFEE CULTURE, COTTON CULTURE, and the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS and this was in early years when the masses lightly esteemed all such enterprises.

THE CALIFORNIA FARMER was the FIRST and ever advocate for the planting of the ALFALFA as a forage plant, and the first to introduce the seed and its culture, not only this grass, but all other valuable grains and forage plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STONE WHEAT, of SUMMER FALLOW, of SUBSOILING, and of DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL—doctrines that have now, after long years of trial become the basis of true and successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE of AGRICULTURE, which such years of labor merit, the JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

The TERMS OF THE CALIFORNIA FARMER have been placed at a low price, should induce, as we trust it will, a generous addition to our LIST OF SUBSCRIBERS for the year of 1879.

Desirous of placing this old PIONEER AGRICULTURAL JOURNAL, (The only exclusive AGRICULTURAL JOURNAL of the Pacific Coast), before the people at so low a price that all can have it, we make the following

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California Farmer

1879.

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The FARMER and AMERICAN BEE MAGAZINE	2 00
The FARMER and SCIENTIFIC AMERICAN	4 00
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CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, JUNE 12, 1879. NO. 11.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

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☞ Advertisements and Subscriptions are all payable in Advance.

☞ Our full ADVERTISING RATES will be found on t SEVENTH PAGE.

All Letters on Editorial Matters to be addressed to COL. WARREN, Editor.

☞ All Letters on Business connected with the Office should be addressed to

WARREN & CO., Publishers.

EUROPEAN.

From our Special Correspondent.

PARIS, March 27, 1879.

AGRICULTURAL SCHOOLS.

In the new law in course of being voted on popular education, the teaching of agriculture in the royal national schools will be obligatory, and at once to take effect. This is going a little too rapidly; the greater part of the country schoolmasters are not prepared to impart the desired instruction; all that can be reasonably expected from them is, that they prepare themselves, as well as their pupils, by means of judiciously selected treatises on rural economy. Later, when the normal schools are inaugurated, and masters duly trained, greater results can be demanded. Each department is to have its normal school, to which an agricultural professor will be attached; 50 professors are required, and six years are allowed to execute the programme. The supply of suitable candidates for these chairs of agriculture is at present very limited; in time, the superior agronomical colleges will meet the demand. The new professors will require to hold conferences for the benefit of the surrounding farmers, as well as to impart instruction in the normal schools, hence, a special tact is necessary for attracting adult attention. In the agricultural school of Ecully, near Lyons, advantage is taken of the Rhone to teach fish culture. Many farming societies give prizes to the proprietors of oyster beds and fish ponds.

BREEDING HORSES AND DAIRY COWS

It is no secret that good horses are not on the increase in France; many departments, farmers for their production of horses, have to-day no reputation. The artillery horse is the type desired, in general the horses are too light, too fine, and hence the leaning towards the omnibus horse as the ideal, which has endurance, is of a large volume, draws well and trots. There are 22 official depots of stallions in the country, yet the amelioration in the breed does not produce the expected results, because no care is taken in the selection of the mares to be covered; farmers simply aim to have a foal. It is suggested that the stallions of the State be allowed, without fee, to cover only those mares selected by competent local authorities, the receipt for the service would serve later, as a leaf from a herd-book, for purchasers of the progeny. The government also could undertake to select private stallions, and to indemnify owners for their services following mares selected. An old Alsatian agriculturist, as the results of his experience in the standing dispute as to the milking qualities of the Durhams, states he has only pure Durhams in his sheds, that yield their average 14 quarts of milk daily; that the secret to make Durhams good milkers, is not to "fatten" the stock during the first years of their existence, nor yet insufficiently feed them, for it is during the first years of the animal's growth, that a pound of flesh costs least to produce. Taking food as the base of calculation, he finds no breed pays relatively better for their keep than Durhams, and they consume from 1-5 to 1-4 less rations, than Dutch or Swiss cows.

SUGAR BEET CULTURE.

Liebig was the first to raise his voice against the exhaustive nature of beet cultivation for sugar; he showed, that all the alkalies contained in the roots, were concentrated in the molasses; hence, the "fatigue," or exhaustion of the soil within a short period. Potash is absolutely necessary in the functions of the plant to produce sugar, and even when returned directly to the soil, it fails to restore the latter's vitality for beet cultivation. This apparent anomaly is due to the fact, that the organic matters of the surface soil rapidly seize and retain the salt, while beet, being a tap rooted plant, draws its food from the depths of the soil where the sustenance is limited, and so becomes insufficient after a few crops of beet. This is the explanation of many, why the soil of Saxony and of other regions, now fail to produce sugar beet, or if so, a diminution of two-thirds in the yield. Soils repel the plant, and the latter about July commences to fade, sinks into decrepitude and rots—the leaves last. If a vertical section of the root be now made, the tissue will be found covered with red rings—commencement of decomposition. These roots yield little sugar, and the pulp will not preserve in trenches; even when sound, the sick roots communicate contagion to a whole pit. The soil occasionally displays signs of weariness one season, recovers another, but relapses with more intense fatigue afterwards. In addition to the explanation of exhaustion, Messrs. Liebscher & Marker of Halle, have discovered the presence of a parasite, called *nematode*, which is as numerous, and propagates as rapidly, as the phylloxera itself; they are to be encountered on the rootlets in the form of white specks; rarely on a diseased plant, for having destroyed the cutter's feeders, they decamp. These insects are never found in large numbers where the beet thrives well; they are more frequent in a soil where the beet is raised for seed, and it is essential never to employ the washings and root-trimmings of the sugar factory, if the beet delivered appears to be affected. It is not clear if the presence of the nematode be the cause, or the consequence, of the disease; it is a diagnosis of the malady, and may resemble the animal economy, where parasites prey on bodies insufficiently nourished.

[CONTINUED IN OUR NEXT.]

AUSTRALIA.

AGRICULTURAL NEWSPAPERS.

Editors, strangers and citizens from the Eastern, the Middle, or Southern States, also Editors over our own Coast who may desire to see or refer to their own Journals, or any Agricultural or Horticultural Journals, will always find them on file in the FARMER READING ROOM, to which they are always bid welcome.

ONE HUNDRED of the leading Journals and Magazines of this class, the best in the United States, are in this collection, giving to those in search of Agricultural knowledge the best Information on this Coast.

A Large Library also, for *General Reference*.

Australia and California

We have full files of Australian Papers from all parts of Australia, showing the great interest they take in this Country, one thing of great moment, is the "Steamship Line," it is of vital importance to the welfare of the Colonies, and so vastly important to the Pacific Coast in the great trade that can be built up between the Colonies and California, if our Merchants do their duty.

These Journals are arranged on file for the convenience of all who may desire to peruse them. We have as follows:—

The Sydney Morning Herald, Sydney.
" *Town and Country*, Sporting Paper, Sydney
" *Australasian*, Melbourne.
" *Weekly Times*, "
" *Adelaide Observer*, Adelaide.
" *Queenslander*, Brisbane, Queensland.
" *Week*, " "
" *Capricornian*, Rockhampton, Queensland
" *Port Dennison Times*, Port Dennison.
" *Wide Bay and Burnett News*, Queensland.
" *Darling Downs Gazette*, Toowoomba, "

Many of these Journals are of the largest size, from 20 to 38 pages, several, splendidly illustrated with views of the Public Buildings, Landscapes, Public Men, Stock, etc.

CONTRIBUTIONS FROM QUEENSLAND.

We Invite all our readers and our citizens especially who are interested in our MANUFACTURES and the MECHANIC ARTS, and our AGRICULTURE, to visit the FARMER Office and see the RICH PRODUCTS brought from QUEENSLAND by the Commissioner, they are now on Exhibition open to all, in the READING ROOM and MUSEUM of the CALIFORNIA FARMER OFFICE.

Wisely insure at the New Zealand Insurance Co.'s office, 307 California Street.

Foreign Correspondence.

THE GRAPE PLAGUE.

TAHITI, April 12, 1879.

COL. WARREN—*Dear Sir*

Your Paris correspondent, in one of his letters, notices that a M. Fancon has tried successfully the submersion of grape vines in water, in order to destroy and prevent the phylloxera.

It is quite probable that a proper degree of submersion, with a proper kind of water, where practicable, would be serviceable for such a purpose. But it requires great judgment, considerable scientific knowledge, and favorable circumstances to insure success to such an effort. And here, as in many other cases, it is that your Agricultural College would make itself useful, if your farmers and grape growers would avail themselves of it. By knowing the whys and wherefores, your grape growers would be enabled to judge for themselves whether the circumstances surrounding them would make such a mode of treatment a reliable one.

In the first place, sea or ocean water, pure or mixed with fresh water, would not be proper to make such a submersion. The soda in it, which forms the principal constituent of the salt which distinguishes it, is highly injurious to the plant, to say nothing of other ingredients contained in sea water.

In the second place, the water from many, perhaps the most of your alkaline plains would also be improper, for the reason stated above. It might contain too much soda.

In the third place, your rivers would also be improper for such a purpose, as they contain, generally, ingredients that are injurious to vegetation. Some of them are highly acid, which would be death to the grape vine. And hardly any of them contain that element, so important to the grape vine attacked by phylloxera, I mean potash.

In the fourth place, the waters pumped from your mines, the most of them, are also highly improper for submerging grape vines. Although I notice the statement of analysis of the water of some mine, which shows a large percentage of potash. The statement is contained among the details of analysis, contained in the last yearly report of the California State University. It is quite probable, if the circumstances be favorable, that it would pay to evaporate the waters of that mine and use the resulting salts as a fertilizer. Being from home at the present writing, I cannot lay my hands upon that report, and consequently cannot give the page that contains the statement of the analysis.

In the fifth place, it would not be proper to use stagnant water for such submersion, nor to allow any water, no matter of what quality, to remain long enough to stagnate in contact with the grape vines. Water, under such circumstances, absorbs and condenses a large quantity of carbonic acid gas, and thus does more harm than good to the afflicted vines, as the presence of the phylloxra is owing to an excess of carbon derived from carbonic acid gas already absorbed by the plant, and which it cannot assimilate, owing to the want of potash, to accompany it in the formation of any part of its products.

The most proper water to use for the submersion of grape vines or other plants for the prevention of phylloxera; oidium, blight, etc., is that which contains more or less potash, as a distinguishing quality, such as water flowing from disintegrating lava, or water flowing from feldspathor other potash-bearing rocks, unmixed with deleterious mineral waters.

In California, Nevada, Oregon and Washington Territory, owing to the eminently volcanic nature of the soil, you are very much exposed to the baneful effects of these mineral springs. They are very numerous, and their waters, mixing with water from rains, forming your streams and rivers, render their waters very unsafe for using for submersion, and some of them are probably for the same reasons, of a bad quality for ordinary irrigation.

Under all these circumstances, it requires, as I said before, great judgment and a certain degree of scientific knowledge to enable a grape grower to know when he is safe, when he has an opportunity to invest his money, his time and his labor to throw up banks to retain the water for submersion or to dig ditches to conduct it where he wants it.

But the idea that Mr. Fancon seems to attach to submersion, that it destroys the phylloxera is an erroneous one. For, allowing that the insects and their eggs that are submerged are totally destroyed, if the water and the soil are deficient in potash the plant will continue to be diseased, and supply more or less food for the phylloxera, etc., and they will propagate rapidly and in prodigious numbers and soon overrun the diseased plants.

Yours, etc., THOS. CHOST

CATALOGUES.—A mountain pile of new and handsome Catalogues of Nurserymen, Seedsmen and Manufactures, all waiting notice and notoriety send along your Advertisements, Gents, then you shall have *especial* attention and notice that shall pay you well.

CAPABILITIES OF NEW ZEALAND.

Sir Julius Vogel, the Agent-General for New Zealand, sends the *Times* the following extracts from a letter he has received from a highly respectable firm, whose business and experience in the colony enable them to speak with authority as to the value of the land:—

"As regards the capabilities of the land, that in the north island is, when laid down with English grass, as fine grazing pasture as there is in the world, but until it has been cultivated a few years it is not such good grain-growing land as there is in the south. Last year the writer was on a farm of 500 acres in the Waikato which had carried 1600 long-woolled sheep, 160 head of cattle, and 60 head of horses the whole year, and the sheep clipped 9½ lb. wools.

"In Canterbury all the land will grow wheat, and 30 bushels per acre without any manure is quite an ordinary crop, while 60 and even 70 bushels per acre are frequently obtained off really choice land. We have purchased a farmer's oats, which have yielded 102 bushels per acre. As an instance of what is done here at times, we purchased last season the produce of 98 acres from a farmer in the Ashburton district, and the yield was 46½ bushels per acre. This man had purchased 102 acres of land 18 months previously from the Government at £2 per acre, and with only two ploughings and within 18 months he obtained the results above stated: and as he received 6s. per bushel, it will be seen he grossed £11 11s. 3d. per acre, and at a cost, as he estimated, of some £3 per acre. This, of course, is an exceptional case, but we know of many similar, and, in fact, it is only necessary to look at our prosperous and increasing class of farmers to be satisfied that farming here pays handsomely since the development of the railways under your successful public works scheme has enabled produce to be taken to market at a reasonable rate. In addition to wheat, oats, and barley, the land in Canterbury grows roots most prolifically. For instance, 20 tons of turnips or 15 tons of potatoes per acre is a fair yield on good land. Cattle do remarkably well here, and the land carries stock so well that a handsome return is made when butter realizes 9d. to 10d. per lb., and cheese 6d. The paying price realizable for products is, perhaps, the best test of the soil's capabilities. Thousands of tons of potatoes are grown here for export to Australia, and £2 per ton leaves the farmer a very handsome margin.

"That land here, notwithstanding the rapid increase of late in its selling price, is still far below its intrinsic value is unquestionable, as we are wanting in capital to keep pace with the rapid development of the country. The result, then, is that, instead of having capitalists willing to buy land and farm it, to get, say, an income of 6 per cent on the cost, or who will let it to a farmer on a 6 per cent. basis, every farmer buying new land here hopes to make the cost price out of it in from three to five years. Large tracts of land are taken up by farmers who have plows, teams, etc., from land speculators on what are termed purchasing-clause leases. The farmer has no cash, and he merely covenants to pay a stated rental for three to five years, and with an agreement to purchase at a fixed price at the end of the term. In every instance the farmer hopes not only to make his rental (based, by the way, on a 10 per cent. valuation), but also to make enough out of the soil to pay the whole or major part of the purchase-money at the end of the term. In nine-tenths of the cases he is successful, if a prudent and industrious man.

"Thus, then, it must be evident that land here is below its intrinsic value, as, when the colony increases in wealth, there will be buyers who will give a value for it that will not stand more than a moderate rate of interest.

"It is only since the railway scheme has been successfully carried out that our farmers have been able to make any great progress, and in a very few years, at the present rate of progress, we shall have capitalised sufficient wealth to buy land at something nearer its value; but, in the meantime, there is a fine opening for all classes in this favored land, and we really believe that, taking climate and soil into consideration, it is the most fertile and pleasant country to live in on the globe. Our business being grain and produce merchants, we naturally have an excellent opportunity of estimating the prosperity of the farming class, and we confidently assert, that in no other place in the world are they so prosperous as here."

[We copy the above extracts from our excellent Exchange, the *Sydney Morning Herald*, so that our readers may learn from the reliable source which we give, the capabilities of this rich and rapidly growing country.—ED. F.]

UNANSWERED LETTERS.—We are constantly receiving letters of inquiry from numerous sources, asking us to furnish replies and statistics that would occupy pages, and these from strangers, on matters not of a public interest, but only their private business, and then not even a stamp for reply, of course our time will not allow us to comply, though kindly disposed—stamps for reply should always be sent.

Foreign Correspondence.

REPORT OF SYDNEY MARKETS.

We are indebted to our attentive Correspondents, Messrs. Cowlshaw Bros., and also to Wm. H. Fleecher, Esq., for valuable reports of the markets of Sydney; by these reports it will be observed that dullness in trade, and low prices prevail there as well as in our own land.

Messrs. Cowlshaw Bros. say:

SYDNEY, April 23d, 1879.

COL. WARREN—*Dear Sir:*

Tonnage, is in demand for your port, the "Duncraig" loads here at 10s. and Cape Verde at Newcastle at 9s. per ton, and 8 vessels are loading at Newcase on Ship's account.

We have to report a very depressed market for all your products—we quote:

Salmon offering at 6s. 6d. per doz. duty paid, buyers are not disposed to give more than 6s.

Barley, the quantities to hand are in excess of our requirements, a parcel arrived per "Dunnerdale" is offering at 2s. 10d. per bushel.

Maize, is dull of sale at 3s. per bushel.

Hops, are difficult to sell even at 4d. per pound in bond.

Mr. Fleecher reports maize 3s. per bushel, oats 3s. 6d. to 3s. 9d. Wheat Adelaide best up to 6s. New Zealand 4s. 9d. hops dull at 5d. in bond, dried apples 4d. in bond, market generally very quiet.

FREE TRADE IN WINES.

The mission of M. Leon Chotteau to America in behalf of the wine interest and some other interests of France, in order to urge upon our Congress a new tariff, whereby French wines particularly, with a few other manufactures could be introduced here free of duty in exchange for similar favors to some American manufactures were to enter France free or on reduced duties, has excited great interest for the past year.

M. Chotteau has been insefatigable in his labors, addressing the Chambers of Commerce of the principal cities of the Union and laboring with our Congressmen also, gaining favor with those interested in importations, and meeting with opposition from those who are interested in our own great wine interest here.

There can be no question but that it would be suicidal to the great wine interest of California, were Congress to change the tariff to favor free trade in French wines, or even to reduce them, for the truth can no longer be disguised that France and all the wine makers of Europe are becoming very jealous of the growing reputation and the largely increasing products of the vineyards of California, and the fact also that our wines are cutting off their trade in the Eastern States, and that we are sending our fine wines to Europe also; these are the causes of the movement on the part of the vignerons of Europe in sending over to this country so able a representative of their interests as M. Chotteau, to stay if possible the loss of their trade in wines to this country, which must necessarily take place by reason of the improved quality, the increased quantity, and enlarged sales of California wines wherever they are introduced.

THE GREAT BOOK HOUSE.

The citizens of our State and Coast when they come to our City, and our own citizens also should by all means find time to visit the *great Book Warehouse* of

BANCROFT & CO.

on Market street; this is one of the largest and most complete Book Warehouses in the United States, an immense large building of *five stories* high, with basement, and full packed with the history and literature of the world.

This establishment we say is most complete; printing, engraving, stereotyping and binding, thus from the manuscript, a perfect, handsome book can be sent forth in a brief time.

Bancroft & Co., are famed for their great trade in "School Books" controlling in a measure this trade in the State.

There "Subscription Book" trade is immense, and so of every department of business as connected with this trade, books, papers, stationery, etc., their business keeping about one hundred clerks and officers in constant employ, and to this trade is added a Musical Department of large dimensions.

Bancroft & Co., have a very excellent corps of business men in their various departments, men trained to their business for long years, and thus they know their duty and do it.

The heads of this House are fully qualified by long years to maintain and carry on a Book trade that requires millions of books, and from all parts of the world to meet the demands of their trade.

A. L. Bancroft, Esq., is now in the East, laying out the work for their great trade, while H. H. Bancroft Esq., the other head of the house, the historian, is the mover of all this great enterprise.

We hope visitors to our City and especially all strangers coming here will be sure to visit Bancroft's & Co., Book Store, for we know they will thank us for calling their attention to it, as one of the largest and most admirably arranged establishments of this kind in the United States.

Agriculture.

Plow deep; while sluggards sleep,
And you shall have GRAIN to sell and to keep.

HOW WE SAVED THE OLD FARM.

CHAPTER VIII.

By the first of May, Ned and I were obliged to go to school, where we pursued our accustomed studies. Ned, though usually fond of school, begged to be allowed to remain at home through the summer to help about the work, but this my mother would not listen to for a moment. But as they had ploughed the fields which were ploughed last year, and planted a part of the garden, and had drawn in the sand to fill the hole under the barn floor, and also that one in the barnyard, and had drawn manure upon the two-acre lot, in the large field, across the road, where potatoes grew last year, making quite a hole in the large heap that Clarence was so proud of; Clarence also insisted that he could get along alone, or with a little help from Jake Wood, if Ned would do all he could before school-time in the morning and after school was out at night. In this lot, the north end of "Field No. 6," Clarence intended to plant potatoes, and he had ploughed the manure under, but upon the three-acre lot, in the same field, he intended to put corn, and had ploughed before manuring, intending to spread the manure on the top and harrow it in, as he had read in some of the farming papers, which he was always poring over in the evening, that that was the best way for corn. The eight-acre field of rye was looking very well. It was quite time the potatoes were planted and the manure drawn out on the cornfield, and Clarence went after Jake Wood to come and help him a few days if he could get him. A little to my mother's surprise, Jake made no objections at all to coming, merely saying that he should not want any pay for his work until fall, and then perhaps he should want something off the farm for a part of it. The boys had furrowed the potato field and had cut the potatoes for seed, evenings, when they could not do other work, and was all ready for the planting when Jake came in the morning. There were several barrels of wood-ashes in the cellar, and Jake and Clarence carried some of them out to the field, and Ned, before school, assisted in putting about a cupful in each hill as long as he could stay with them without being late at school. Jake had not deserted us all this time, but had called several times and inspected the operations of the boys, with which he was much pleased, and seemed to take much credit to himself for the encouragement which he had given to the plan at the first.

"I tell you, ma'am," said Jake, that evening at the supper-table, I never see anything to beat it since I was born. Them pigs and chickens and calves are growing like all natur', and if there isn't a good crop of pertaters on that lot we have planted to-day, I never will guess again, for I was along here when they were carting the manure on there, and I never saw such lots of manure ploughed in under any field in Brookfield since I have lived here, which has been, man and boy, going on to sixty years, now. Seventy big loads, Clarence tells me; and then the ashes in the hill to kinder shove them along. I wouldn't wonder if there was more on that little lot this year than there was last year on the two lots. I want to help dig them just for the fun of seeing the big ones roll out; and if the boys don't keep the weeds out of it, I will come and pull them out myself, for it takes as much manure to raise a big horse-weed as it does for a big pertater. And there is manure enough left to give the other field, where he calculates to put the corn, about as heavy a coat as pertater field has got, which we will begin to draw out to morrow."

"Then you have finished the potato field?" asked my mother."

"Well, I guess we have, ma'am. That boy can handle a hoe just about as handy as any man I ever worked with, and we haven't stopped to play about it, though he had to go off about a half dozen times to attend to the critters, but he was right back; and then Ned give us quite a lift in the morning and after school. Two boys like them chaps can do a heap of work when they set out,—and they work just as if they were playin'."

"And Jake says he can help me until I get the manure on the cornfield and get it planted, mother," said Clarence.

"Yes, ma'am," said Jake, "I can as well as not, for Rover and I have had a pretty good time in the woods lately, and it will do him good to lie side of the wall and watch for woodchucks awhile, and will give him a chance to think over his misbehavior."

"What," I asked in some surprise, "does Rover ever misbehave?"

"Well, I am almost ashamed to tell of it, and perhaps I ought not to as he never done sich a thing before, but you see, miss, I was down to the Corners yesterday, and there was a fellow there that I know, that had been into the tavern until he got about 'how come ye so,' and he was out there front of the blacksmith shop talking and acting a little silly, I allow, and there was a gang of boys around him making fun of him. I felt bad for him, and I went by into the shop to get a trap fixed, just as if I hadn't seen him, and while I was in there I missed Rover, and I looked out and he was actually among those boys a laughin' at that fellow as if it was something funny to see a man makin' a fool of himself, when the Almighty meant that he should have sense. And I just called Rover in and made him lie down, and I told him how much ashamed of him I was, 'cause he had had sorter decent bringing up, and ought to have known better than to laugh at a man that was in that shape. And I set out not to let him come out with me to-day, only he begged so hard, and seemed to be so sorry."

Surely enough, as I glanced at the dog, he had his head down, with a sneaking look which I had never seen him have before.

"But," said my mother, "it seems to me the boys ought to have had a talking to more than the dog."

"Well, ma'am," said Jake, "I wasn't responsible for the boys; their fathers were there in the blacksmith shop, some of them, anyway, and they might let their boys act so if they had a mind to, but a dog that I had under my care shouldn't do it, if I knew it." And there was a twinkle in Jake's eye that told that his lecture to the dog was intended to have its influence upon the boys or their parents.

"It seems strange that they do not shut up that liquor-shop at the tavern," said my mother.

"Well, you see the man that keeps it has got money, and is a strong politician, and lots of fellows vote just as he says, and his party don't want to trouble him for fear he would jine t'other side with all his votes. Then it isn't anybody's business in particular, and so everybody thinks somebody else ought to attend to it, and so it goes."

Clarence changed the conversation by asking how much seed-corn would be needed to plant the three acres.

"Well, said Jake, "you might as well shell three pecks or a bushel, though it won't take quite so much as that, maybe. Depends something how many kernels you put in the hill. I should put in five or six, and when it comes up, if 'twas too thick pull up one or two when I hoed it. I believe in having seed enough, and I hate to see places where there isn't anything growing, when it is manured as you manure your field. It 'pears to me like spreading a good dinner and not having folks to eat it, and so letting it go to waste. If you didn't put on more than Deacon Whiting does where he plants, it would do as well if more than half of it didn't come up. He put about three loads to the acre, and then finds fault with the weather because the corn don't grow. Plants about twenty acres, and don't have corn enough to fat any critters decently. He wanted I should come to help him plant this week, but he treats a man that works for him just as he does his fields, and his critters, too, for that matter: gives them just as little as he dares to to feed on, and then gets all he can out of them; don't make a big bargain out of the fields and the critters at that, for 'tis plaguey little he gets, and he wouldn't get no great out of me, neither, if I was to work for him all the time. I told him one day at the store that there was more wasted on his farm than on any other two in Brookfield. You ought to have seen him stare at me. He wanted to know how that was, and I told him he wasted half his feed, for if he kept only one yoke of oxen instead of three, and three cows instead of a dozen, and gave them enough to eat, it would not take more than half as much to feed them as it did to feed the great drove he kept now, and he would get more milk and more work than he did now, and then he wasted half his work and more too, 'cause if he had manured a little field decently he could 'a raised as much on it as he did on the big lot he planted, without workin' half so much to take care of it. I tell you he was mad, and if he hadn't been a deacon, I expect I should have got a cussin', but all he said was, that 'I didn't know how hard farmers had to work when I was shuckin' round in the woods;' just as if he thought it was nothing but fun to tote a gun all day through the woods and briers. I shouldn't have said what I did, only I was thinking of the day before, when he wanted me to help him push a cord and a half of wood up the hill, that three yoke of cattle had got stuck with. I helped him, of course, for I pitied the poor, hungry-looking critters; but if I had had him hitched to the cart tongue, I should have tried if a whip wouldn't have made him pull it. Last time I worked for him the dog didn't have a mouthful of dinner, but he and I went home to supper and I made it up to him. If a man can't feed my dog, I don't ask him to feed me, anyway."

And Jake shoved back from the table and began to cut tobacco for his pipe as savagely as if he were punishing the deacon for his neglect of the dog's wants. Luckily for my peace of mind, I knew that Rover had always been liberally fed when Jake had worked at our house, for my mother would not have allowed any animal to be hungry while she had plenty, however strong might be her prejudice again a poor man keeping a dog. But Jake's dog was looked upon more favorably than other dogs by her, for she knew that he contributed to the support of his master in hunting far more than the value of his feed. And it was Jake's only company and better company for him than a lazy wife or saucy children." But when he said this he was returning from a call upon one of his friends, who was reputed to possess both those encumbrances; and Jake had gone there to help about some little job, and perhaps he had not received a very cordial reception from the wife. Jake never forgot a kindness nor forgave an insult. But the pipe was filled and lighted, and under its soothing influence, he began again.

"What have you planted in the garden, Clarence? I see you have got part of it under way."

"I have put in some peas, two rows, and some sweet corn; that is all. The squire said when I was over last, that next time I came he would give me some currant bushes and blackberries and gooseberry bushes that he was going to thin out of his, and perhaps some strawberry vines, and I want to put them in first and then see what room I have left. Shall have more peas and two or three plantings of corn so as to have it green all summer, and then beans and cucumbers and such things. I don't remember what we used to plant at first, and I meant to have asked you about it."

"I reckon you want to put in a few onions and beets and parsnips, don't you?"

"Yes, I shall want them and a few cabbages, too; but I haven't got the seed yet, and I didn't know if it was time to put them in, and I thought I would go down to the Corners some day when not too busy and buy some papers of such seed as I wanted."

"Now, don't you do that," said Jake; but you just write to some of those seed fellows in Boston and tell them what you want, and send your money in the letter, enough to pay for them, and you will get your seeds a good deal cheaper, and better seeds, too, I allow, for I don't think no great of those little papers of seeds. Half the time they don't come up at all, whatever's the reason for it. You can find the names of some of those chaps in your papers, most likely, and I will take your letter down to the Corners and give it to the stage-driver to-night, and you will get your seeds to-morrow night, and your change back."

So the address was found in the paper, and the order was written, Jake suggesting the amount, as a quarter pound of onion seed, same of beet-seed, cabbage, and parsnip, and mother furnished a five-dollar bill on the assurance of Jake that the right change would come back, and Jake departed for the Corners, and the boys and I went to shelling corn for planting, selecting only the handsomest ears and rejecting the kernels at each end of the ear, which Clarence said was always done. Next morning Jake came back commissioned to find out the price of the pigs and when they would be ready to take away, as lots of fellows wanted to know. They were six weeks old a few days before, and Clarence was thinking that it was time to sell them, but no one had engaged any yet; but in consequence of Jake's endeavors I will now say that they were all sold in a few days at four dollars each. You can perhaps imagine how proud Clarence was when he placed sixty dollars in mother's hands, from which he was to take only the twenty-five to pay the squire for the hogs. That day was spent in drawing out manure upon the garden lot and the proposed cornfield. To make a finish of the garden, the drills for the peas were opened and the manure spread in them and covered with an inch or two of earth, upon which the peas were to be planted when it was time. On the side where the berries were to be put, about half an acre was left without manure, as Jake said what we put there would not bear that year, and as the ground was pretty rich, it would do best to manure them in the fall, which would make them bear next year. Of course, if manure had been more plenty they would not have been hurt by it; but manure could not be used where there would not be early return for it.

The next day was Saturday, and as the seeds came in the morning when Jake came, Ned and I were promised plenty of work. We raked the beds for the small seeds until they were so fine that we could get them no finer; and Jake and Clarence sowed them, even Jake being astonished at the quantity of ground it took to plant that amount of seeds upon, so much that I mistrusted he had not been wiser than we were about the quantity we ought to have bought. "But, anyway," he said, "they are things that will sell if you too many of them, and selling is what you want to be doing, I reckon. Some folks make a living just raisin' garden stuff to sell, and I have no doubt you could sell lots of it in Blackington, if it was only a little less work to get it there."

[TO BE CONTINUED.]

AMERICAN BACON IN ENGLAND.

To what an extent the minds of English consumers have become prejudiced against American bacon and its price nominally reduced, may be inferred from the following which appeared in a recent issue of the *Mark Lane Express*:

A letter from a curate, seriously affirming that American bacon of first rate quality can be had in England at 4½d. per pound, has greatly interested economical housewives. It is not surprising that an effort has been made to disparage the American article, and to show that if it can be sold at 4½d. it is worth no more, if not a great deal less. One writer, hailing all the way from Turin, and who, for all we know, may be a Borough ham dealer on his travels, declares that American hams, chiefly from Cincinnati, have been destroyed there in consequence of their containing immense numbers of trichinæ. This is a warning to British matrons in search of cheap American bacon, which would be more effective but for the fact that the English market is already overrun with American bacon under an English name. It is estimated that 3,000,000 American pigs will be manufactured this year into many more millions of American hams for sale in England, but these hams are seldom sold by retailers for what they are. They are carefully selected and "dried" in England or Ireland, returning from the latter country in the form of the well-known Belfast hams, advanced in price from 46s. to 95s. per cwt. The American "long rib" is transmuted into "Irish rolled" bacon. "Cumberland cut," another American product, is converted into "farm-fed." Wholesale dealers sell what is known as clear middles at 3d. a pound, and find it marked on the counter of a retailer who keeps "no Yankee rubbish" at 8d. per pound. This is very sharp practice, no doubt; but the public are greatly to blame, for they prefer to pay a high price for a poor article labeled "English" rather than a low price for a good article sold as "American." The gullibility of the English purchaser has been repeatedly tested by cutting an American ham in two, one half-marked "American" at 6d., and the other "home-cured" at 1od. The "home cured" is speedily brought up, while the same article with a different name, and at half the price, is left untouched.

A well informed correspondent of the *London Live Stock Journal* in writing of the varieties of pigs says:

"The Berkshires may fairly claim for themselves to be, amongst our improved breeds of pigs, one of if not the best for the ordinary pig keeper. They seem to be hardier, and require less care and attention during their young state. This is a great recommendation, now a good stock-man is such a rarity. They are besides fairly quick feeders, and attain to a good weight, say 23 stone imperial (350 lbs.) at twelve months old; the flesh having a large proportion of lean meat it is highly prized for making bacon, and it has no doubt had its share in making Wiltshire bacon take the high place it has in the good opinion of the housewife.

RHUBARB WINE.—We have samples of the "Rhubarb Wine" advertised by us in the FARMER, to which we call special attention of wine dealers, as we have it on sale at our office.

A PENN BOOK of nearly 100 large octavo pages for the sick. Full of valuable notes on Scrofula; Diseases of Women; Aches and Pains; Heart Troubles and a great variety of CHRONIC DISEASES, with evidence that in most cases these diseases are curable. Sent for one stamp.
Address MURRAY HILL PUB. CO.,
40:9 No. 129 E. 28th Street, N. Y.

John Rodgers & Co.,
GENERAL STOCK AND SALE YARDS,
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LIVERY AND BOARDING STABLE,
Cor. Market and Ninth Sts.
Hay and Grain at Lowest Market Rates.

FOR SALE.
An Iron-Gray Stallion, 6 years old, 16 hands high, weight 1200 pounds; untrained, can trot close to 2:40; sound, kind and gentle; "Messenger" stock.
—ALSO—
A Black Stallion, "John Wallace," sired by "England Glory," and from an imported Normandy mare of 6 years old, 17¾ hands high, 1750 pounds; coal black flowing mane and tail. He won great merit last year by a set of the finest colts of this blood.
—ALSO—
One Black Stallion, 8 years old, 16 hands high, weight 1250 pounds; has a record of 2:38; sound, kind and gentle.
Can be seen at Bulls Head Stables, Corner of Market and 9th Streets.
40:1 JNO. RODGERS & CO.

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N. ASHTON & SON'S
Liverpool Fine Salt.
IN UNIVERSAL USE THROUGHOUT THE EASTERN and Western States, and acknowledged far superior to any other brand of factory-filled salt.
Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March:
"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory-filled salt, therefore, is there any gentleman who would risk the salt, therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $13, for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams, and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"
For sale by
WILLIAMS, BLANCHARD & CO.,
218 CALIFORNIA STREET,
48 10 Sole Agents for Pacific Coast.

J. M. NEVILLE. O. O. ESTEY.
NEVILLE & CO.,
Bag, Tent and Hose Factory
33 CALIFORNIA STREET,
South-East Corner of Davis Street,
San Francisco,
[Removed from their old place, 113 Clay Street, to their new and enlarged accommodations.]
IMPORTERS, MANUFACTURERS, AND DEALERS IN ALL KINDS OF
Bags, Burlaps, Duck,
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SCAB AND TICKS
IN SHEEP.
S. H. KENNEDY'S
NON POISONOUS
SHEEP DIP!
Manufactured by
S. H KENNEDY, Omaha, Nebraska, eradicates the pest. This is the only dip that adds to the staple and value of the wool. It will cure the most obstinate cases—diluted 150 parts hot water, and will not cost A CENT A HEAD each dipping. Packed in ONE and FIVE GALLON TIN CANS
Dip Scabby Sheep in the Early Spring and Summer as that is the time to eradicate the disease from the skin. Fall and Winter dipping will not cure the Scab. It only holds the disease in check, in the Fall and Winter months, the insect that causes the Scab is forcing his way so deep into the true skin that he cannot be reached or destroyed, while in the early Spring the insect comes to the surface of the skin and is easily eradicated by one or two dippings in my Sheep DIP.
Price per Gallon:
TOBACCO DIP... $2 75
HEMLOCK DIP... 2 25
NON-POISONOUS DIP... 2 25
BOOK SENT FREE TO SHEEP GROWERS,
Address,
S. H. KENNEDY,
OMAHA, NEBRASKA.

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Valuable Farms in the sunny lands of San Diego County.
Those families who desire to leave the cold wintry region of the north and come to a better climate—are invited to the following Farms we offer at good bargains.—
One Farm of 1,500 acres, undivided, can have a great chance to buy this Farm.
One of 320 acres, of rich land of the very best soil, running water, and generally low land, capable of growing any crop wanted, a portion fenced, with fruit trees and vines now bearing.
One Farm of 160 acres of most excellent soil, capable of raising all Tropical Fruits in the greatest luxuriance.
All these Farms are in the Bee-region—and suitable for this interest—all sold on easy terms. For particulars address
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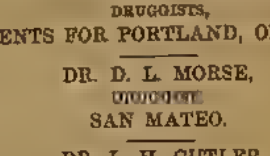
Or CALIFORNIA FARMER Office, 320 Clay Street.

DAIRY BREEDING CALENDAR
We invite Dairymen who desire a valuable "Dairy Breeding Calendar," containing very valuable items of great value to them, to call and examine the article named above—it is of but little expense, yet of great value.
CALIFORNIA FARMER OFFICE.

The Great Medicine!!
THE GREAT MEDICINE
CLARKE'S
COMPOUND CONCENTRATED FLUID
EXTRACT OF EUCALYPTUS
(AUSTRALIAN GUM TREE)



INTERNALLY.—Dose. Thirty to Sixty drops on lump sugar.
EXTERNALLY.—Use as a Liniment.
FOR DIRECTIONS—SEE WRAPPER.
SOLE MANUFACTURER
DAVID CLARKE, CHEMIST,
WARWICK.
To prevent fraud, each genuine bottle is signed
David Clarke
Price 2s. 6d.

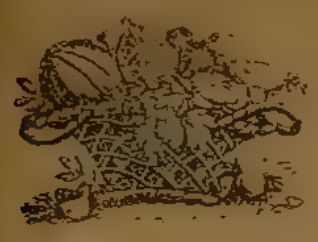
We have appointed for the sale of this Medicine advertised our columns the following
AGENTS:
A. M. COLE,
APOTHECARY AND DRUGGIST,
GEN'L AGENT FOR STATE OF NEVADA.
H. BOWMAN,
APOTHECARY AND DRUGGIST,
AGENT FOR OAKLAND.
RHODES & CO.,
APOTHECARY AND DRUGGISTS,
AGENT FOR SAN JOSE.
M. J. DOLYE & CO.,
POST OFFICE,
AGENTS FOR MENLO PARK.
J. W. JONES,
DRUGGIST,
AGENT FOR BENECIA.
HODGE, DAVIS & CO.,
DRUGGISTS,
AGENTS FOR PORTLAND, OREGON.
DR. D. L. MORSE,
DRUGGIST,
SAN MATEO.
DR. L. H. CUTLER,
DRUGGIST,
LIVERMORE.
JOHN WOLFE,
DRUGGIST,
AGENT FOR SAN RAFAEL.
GODBE, PITTS & CO.,
DRUGGISTS,
SALT LAKE CITY, UTAH.
J. WIDNEY,
MERCHANT,
SANTA CLARA.
The Remarkable Cures which have been effected by Wonderful Remedials, known as CLARKE'S EUCALYPTUS REMEDIES from Australia, have, and are, exciting a great influence among all those who have long been sufferers by those terrible sources of suffering, RHEUMATISM, NEURALGIA, DYSPEPSIA, and FEVER AND AGUE.
These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.
Be sure you ask your Apothecary for the true Medicine DAVID CLARKE'S EUCALYPTUS PREPARATIONS. The only Genuine article.
WARREN & CO.,
SOLE AGENTS FOR THE UNITED STATES.

WM. BARTLING. HENRY KIMBALL.
Bartling & Kimball,
BOOK-BINDERS, PAPER RULERS
AND MANUFACTRUERS
—OF—
BLANK BOOKS.
506 Clay Street, S. W. corner Sansome
San Francisco.

LAND PLASTER.
THE GREAT FERTILIZER.
This most excellent material for all Clovers and Grasses can now be had of the undersigned at the low price of
$12.50 per Ton.
Also—Building Plaster, Casting Plaster, and Terra Alba.
For Sale by
LUCAS & COMPANY,
215 and 217 MAIN STREET,
Bet. Howard and Folsom,
0:2 San Francisco.

Vermont Merino Sheep Breeders' Association
First Vol. Register, 395 pages, 22 plates, substantial leather binding, contains history of importation and improvement of Merino Sheep, register and pedigrees of 372 stock rams, with pedigrees and history of over 200 flocks, pure bred, improved Spanish Merino Sheep. Sent postpaid on receipt of $2.00. ALBERT CHAPMAN, Sec., Middlebury, Vt.

A Pamphlet Free.
THE MURRAY HILL PUBLISHING COMPANY, 129 East 28th St., New York City, will send by mail a large pamphlet entitled EVIDENCES OF DOCTOR FOOTE'S SUCCESS as a writer and practitioner of medicine, and a catalogue of all their publications—reading enough for several weeks—if you will but enclose one letter stamp to their address.



Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

ORANGE AND LEMON TREES.

Scarcely a week passes without our receiving inquiries about budding lemon or orange trees. An opinion appears to be prevalent that seedling plants will not produce flowers or fruit without budding. It would seem almost impossible that such an error could be entertained, and yet we know it to be wide spread. A large proportion of the orange and lemon groves of Florida and other sections are planted with seedling trees that are never budded. An orange seedling fruits as freely as an apple seedling. Varieties are propagated by budding, but much good fruit is produced by seedlings.

Florists who raise orange trees solely for their blossoms, bud them with those kinds that are known to be abundant bloomers. One of the best of these is a dwarf variety called the Otaheite orange; it produces a great abundance of fragrant flowers and a small, worthless fruit. Seedling plants may sometimes require to be older than if budded, and sometimes not. A seedling tree nine years old, five feet in height, this spring has matured three fine fruits, nearly equal in size. One of them measures four and one-half inches in length, and four inches in diameter the short way; they are nearly round and very fragrant, having an odor almost like a peach. We call it the Grandma Lemon. This tree has been reared from the seed in a pot and trained by the skillful hands of one who all her life has loved and reared plants. The snows of nearly ninety winters have left her locks white and thin; but the sunshine of as many springs and summers, and the smiles of the flowers, have gladdened and warmed her heart. Not in the least has age chilled the fervor of the admiration which she developed for flowers when a child, and which, also, she has imbued the hearts of her children. These beautiful fruits, the last in a long life, are only symbols of a fruitage that has honored her for scores of years, and that in the future shall contine to "call her blessed."—*Vick's Magazine.*

RAISIN RAISING.

We clip the following from the New York *Times*:

To the already apparently unlimited agricultural and mineral resources of California, a new industry seems likely to be added—that of raisin-making. About four years ago J. P. Whitney, a gentleman widely known in that State in connection with wool-growing and grain raising on a large scale, began planting vines of the "Muscat of Alexandria" variety of white grapes with a view to demonstrating that raisins could be made in America of as good quality as those from abroad. Since that time about 200,000 vines have been planted. As the first result of Mr. Whitney's experiments two car-loads of 20,000 pounds each of California-made raisins were recently sent East, one car-load coming to this city and the other going to Boston. In both cities they have been received with favor, selling equally well with the best imported Malaga raisins, with which they compare favorably as to size, color, skin, stones and flavor—the latter being the most essential quality. The United States is the greatest raisin-consuming country in the world, and uses annually more raisins than the whole of Europe. The market is mainly supplied from Spain, the raisins known as "Malagas" being considered the best. They come from a comparatively narrow strip of country in the south of Spain, which has hitherto been regarded as surpassing all other regions for raisins of that character. The annual yield of Malaga grapes average 2,250,000 boxes, of twenty pounds each. It sometimes reaches 2,500,000 boxes, and last season about 2,000,000 boxes were marketed. Of this enormous yield the United States takes fully one-half, on which it pays a duty—as on all other raisins—of two and a half cents per pound. An inferior raisin with which the market is largely supplied, is known as the Valencian, and comes from a region further north in Spain.

GIVE OUR BOYS A CHANCE.

Mr. Dietz the able Manager of the Boys' Aid Society has made many appeals to the public *to give the boys a chance*, now we offer a capital chance for lots of boys, and girls too, (for girls make as good gardeners and florists as boys), we therefore invite them to read about the energetic and smart boy who writes a letter to *Vick's Magazine*, telling Mr. Vick what he accomplished.

Boys and girls can raise plants and flowers and sell them too, and this is better than to waste their time on the streets.

Hear what this *boy* says after he became a *man* and an editor too, good for him:

An editor in Michigan writes us a letter of his experience, when a boy, in gardening, which may be useful to some of our young readers: "A dozen years ago, before I had cut loose and drifted out on the uncertain sea of journalism, I was a boy, just at that age when the general American boy begins to feel the need of spending-money, and likes to feel that it is his own. In order to be independent I determined to earn my own money. As a 'starter' I sent a club to you for flower and garden seeds, taking my commission in seeds, which I sold at a profit. As this was not sufficient to satisfy me, I used all my ingenuity and the knowledge I could acquire from your works in constructing a suitable hot-bed. Here I sowed Cabbage and Tomato plants, and I am proud to say I had the earliest and best in the market. So flourishing was my business that I employed other boys to sell on commission, and when the planting season was over I was nearly twenty dollars ahead! And however successful I may be in after life, I am sure that no money I ever earn can give me the genuine pleasure I enjoyed in spending that money. I hope that you will suggest this plan to your readers, for what one ten-year-old boy has done, ten ten-year-old boys can do."—*Vick's Magazine.*

WINE AND SPIRIT REVIEW.

From Messrs. J. R. Parkington & Co.,
Our Correspondent at London,
Crutched Friars, London, E. C., May, 1879.

We expressed a hope in a recent report, that the Select Committee on the Wine Duties would lose no time in proceeding with their labors, and we are glad to find that they have not only commenced, but that considerable evidence has also been taken. All the witnesses examined up to the present, appear to consider that the prevailing system of levying the Wine Duties is fairly equitable, and generally satisfactory to the trade, besides which, any reduction would not materially affect the prices to the consumer, or increase the consumption of Spanish wines, whereas, on the other hand, a serious loss to our revenue would most probably ensue. A graduated scale is at present receiving considerable attention, but if adopted, it would undoubtedly cause much complication, not to mention endless disputes in the trade, as well as between merchants and the customs.

The Select Committee on the Food and Drugs Act have made their report, in which we believe they recommend that the limit for Gin should be 35, and for all other spirits 25, under proof.

Business has exhibited a little more animation during the past fortnight, but only to the extent of small orders to meet current demands.

From the champagne districts we learn that the frosts on the 12th and 13th April did little or no damage, in consequence of the very backward condition of the vines.

There has been some little excitement at Bordeaux this week, in consequence of the sale of 2800 hogsheads Chateau La Tresne vintages 1877 and 1878, comprising 1600 hogsheads of the former year at £5 per hogshead, and 1200 hogsheads of the latter at £4 15s per hogshead.

The recent wet and cold weather has done much damage to the vine, many of the buds, instead of developing, having been bitten so severely as to wither and drop.

At Cognac business in genuine brandies continues restricted, although there have been a few transactions in common kinds.

WHISKEY—Irish continues very quiet. Some few days ago a rumor got abroad that another large failure was imminent, but it was discovered to be without foundation, and confidence is again restored.

Rum remains depressed, a few sales having taken place in Jamaica and Demerara only, at previous rates. There is a further slight falling off in the stocks, which amount to 32,000 puncheons, as against 37,060 last year.

LONDON AGRICULTURAL SEED TRADE

From Messrs. John Shaw & Sons the well known Seed Merchants, of London, we have the following:—

MARK LANE, LONDON, E. C., May, 1879.

EDITOR FARMER.

The trade for farm seeds, as might be expected, now presents a quiet appearance; and there is no quotable variation in the value of any kind of clover seed. A few orders for immediate sowing continue to drop in; but these of course, diminish every week both in number and extent.

With regard to the surplus stock of American clover held in this country, there is a better feeling; and a substantial advance is noted on the unprecedentedly low prices recently accepted. The present stock in Liverpool is 11,000 bags, against this time last year 2,800.

A considerable quantity of new Canadian clover has lately been sold at from 30 to 32 per cwt.

The English clovers are said to look remarkably well; but not so good an account is given of the trefoils. Alsike and white clover are without alteration.

For Foreign Italian and Perennial ryegrass the inquiry keeps brisk. There is also an improved sale for mustard and rapeseed. Spring tares have during the last few days met with increased attention. Other articles in the present quiet state of things offer no subject for remark.

THE AUSTRALIAN GUM TREES.

There is no tree known to science that presents so many valuable properties as the various species of the Australian Eucalypti. As many as one hundred and fifty varieties of this invaluable tree have been discovered. No timbers in the world can compare with those of Australia; for purposes requiring great strength, combined with great durability, they are unapproachable. Owing to an essential volatile oil that exudes from the foliage, epidemic rarely exists in Australia. The entire species are more or less medicinal. Yet after many experiments, I have found that some of the species, most useless as far as their timber is concerned, are of the greatest value as medicine plants.

In the back bush the gum leaf has often to answer the purposes of the entire medicine chest.

During the past six years I have been experimenting on the various species of the Australian Gum—the roots, the bark, the gum, and the leaves—with great care.

I have found that the gum that exudes from some of the species cannot be excelled for some purposes.

For Rheumatism, Neuralgia, Gout, Sciatica, or any affection of the Nervous System, it appears to be almost a specific, giving immediate and permanent relief. For resolving the attack of Fever and Ague, it is marvelous. It is equally valuable in all diseases of the Liver.

The BEST MEDICINE one can possibly take for Indigestion, Fever and Ague, Wind in the Stomach or Bowels, Sick Headache, Heartburn, Giddiness, Drowsiness, Languor, Spasms, Pains and Fullness at the pit of the Stomach or region of the Liver, Loss of Appetite, Diarrhœa, Dysentry, and the most certain cure for Piles is Clarke's Liver and Bilious Pills.

It is essentially necessary during an attack of any of these diseases that the bowels be freely evacuated by a dose of four to six of the "Liver and Bilious Pills" previous to taking the Fluid Extract, and a small dose of the Pills every night will greatly assist the action of the Fluid Extract. For Rheumatism, Sciatica, Gout, Neuralgia, or pains in any portion of the body or limbs, the part affected should be freely bathed with the "Concentrated Fluid Extract."

For Dysentry and Diarrhœa it supersedes all other medicines known. For ordinary cuts, or slight bruises, one application generally suffices.

For Colic, Pains in the Stomach or Bowels, a single dose generally gives relief before five minutes. In bad cases a dose may be taken every half-hour, or hour, till relieved.

Very Rare Australian Seeds.

WE HAVE RECENTLY RECEIVED FROM AUSTRALIA large collections of the new varieties of the Eucalypts never before imported here; also, very rare TREE and SHRUB SEEDS, which are most desirable to introduce upon the Pacific Coast.

In order to scatter them widely, and thus have them extensively grown and more widely disseminated. We shall put them up into collections of ten *parcels each*, and mail them to order, at $5 each collection. Address

WARREN & CO.,
320 Clay Street, - - - San Francisco.

NURSERYMEN AND FLORISTS ABROAD

Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurserymen, especially, who have NEW and RARE kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our JOURNAL circulates there to a large extent.

This is the season when Nurserymen should make known what they have for sale.

Warren & Co.,
PROPRIETORS CALIFORNIA FARMER.

BOOKS FOR FARMERS!

BOOKS FOR FARMERS' LIBRARIES
AGRICULTURE,
HORTICULTURE,
FLORICULTURE,
STOCK RAISING,
BEE RAISING,
POULTRY GROWING.

With many valuable and interesting works on all branches of each of these important industries.

For sale at lowest rates at
FARMER OFFICE,
320 CLAY STREET.

THE DINGEE & CONARD CO'S
BEAUTIFUL EVER-BLOOMING
ROSES

We deliver **STRONG POT ROSES** for Winter Bloom and Fall Planting, *safely by mail*, at all post-offices. Five Splendid Varieties, *your choice*, all labeled, for $1; 12 for $2; 19 for $3; 26 for $4; 33 for $5; 75 for $10; 100 for $13. Send for our **New Guide to Rose Culture**, and *choose from over* 500 Finest Sorts. Our Great Specialty is growing and distributing Roses.
THE DINGEE & CONARD CO.,
Rose-Growers, WEST GROVE, CHESTER Co., Pa.

48:18 6t

Best Fruit Dryer in the World.

HAMPTON & KELLY
—AND—
KELLY & COLE'S
FRUIT DRYER.

THIS MACHINE DRIES BY STEAM HEAT AND DOES not burn the fruit. It is very economical in its working machinery, and so perfectly simple that every family can use it in their homes, it is also perfectly safe.

In connection with this machine is an admirable GRINDER capable of grinding one bushel of fruit per minute.

The capacity of drying of the SINGLE DRYERS are from 20 to 30 bushels in 10 hours for each machine. Large machines will dry from 30 to 100 bushels in 10 hours.

Orders for these machines, for the present should be sent to Messrs. Kelly & Cole, First and Salmon Streets, Portland, Oregon.

A manufactory of these Dryers will soon be established here, and will be under the superintendance and management of **ALFRED B. COLLVER**, who is the General and Traveling Agent of all these Inventions.

Mr. Collver will have his office in this City a early day—all letters for him can be addressed through the Express or Postoffice to the undersigned, and they will have prompt attention.

ALFRED B. COLLVER.

N. B.—Letters can be directed to me care of EDITOR FARMER, to whom we are permitted to refer for the excellent quality of our Fruit Dryer. A. B. C.

49:7

VICK'S ILLUSTRATED MONTHLY MAGAZINE

Each Number contains THIRTY-TWO PAGES of reading, many fine Wood Cut Illustrations, and one COLORED PLATE. A beautiful Garden Magazine, printed on elegant paper, and full of information. In English and German. Price, $1.25 a year; Five copies $5.00.

Vick's Flower and Vegetable Garden, 50 cents in paper covers; in elegant cloth covers $1.00.

Vick's Catalogue,—300 Illustrations, only 2 cents.

Address, JAMES VICK, Rochester, N. Y.

Good Cure for Hard Times

A PLANTATION OF EARLY PROLIFIC and RELIANCE RASPBERRIES.

100,000 Plants for sale; also 200,000 Cinderella and Continental Strawberry Plants. Millions of other Plants, Trees, etc. Everything new, novel, and rare. Prices low. Send for Descriptive Circular to GIBSON & BENNETT, Nurserymen and Fruit Growers, Woodbury, N. J.

48:24

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the *information of their Wants.*

S. M. PETTENGILL & Co., 37 Park Row New York, 10 State Street, Boston, and 701 Chestnut Street, Philadelphia, are our Agents for SUBSCRIPTIONS to THE CALIFORNIA FARMER in the above cities, and also our AUTHORIZED AGENTS to contract for ADVERTISING at our lowest rates.

WARREN & CO.

PEARL MILLET

(THE NEW FODDER PLANT.)

Yields 100 tons green = 16 tons dry per acre.
60c. per pint (by mail, postpaid).
$1.00 " quart " "
By express, buyer to pay charges, $5 per peck.
Statement of our experiments with it, and instructions for culture, free on application.

PETER HENDERSON & CO.
35 CORTLANDT ST., NEW YORK.

49:2

BEAUTIFUL FLOWERS
A GREEN-HOUSE AT YOUR DOOR

We will send free by mail, and guarantee their safe arrival in Good Condition, our choice of

12 ROSES,	12 sorts,	$1
20 VERBENAS	20 "	1
15 Basket or Bedding Plants	15 "	1
10 GERANIUMS	10 "	1
10 CARNATIONS	10 "	1
10 Tuberoses, *all Pearl, but a few Double*		1
12 Gladioli, *all Flowering this Year*		1
2 Camellia Japonicas and 2 Azaleas		1

Hundreds *of others*—**NEW AND RARE!**
CHEAP, and many
For your choice of varieties, see our 80-page Catalogue, free to all. We handle an immense stock of *Fruit and Ornamental Trees, Evergreens, Small Fruits, Shrubs, etc.* Catalogue with Colored Plate, 10c.

6 Hardy Flowering Shrubs	6 sorts,	$1
10 Currant Bushes	3 "	1
25 Raspberry Plants	5 "	1
80 Strawberry Plants	4 "	1
3 Grape Vines	3 "	1
50 Sweet Chestnut or 50 Catalpa Trees		1

20th Year. 15 Greenhouses. 400 Acres.
STORRS, HARRISON & CO., Painesville, Ohio

49:1 4t

VEGETABLE AND FLOWER SEEDS
SEEDS — WE GROW EVERYTHING FOR THE — PLANTS
GARDEN
Descriptive Catalogues of 176 pages sent Free
PETER HENDERSON & CO.
35 Cortlandt St., New York.
FLOWER AND FRUIT PLANTS

49:1

FARMS, RANCHES
—AND—
LANDED ESTATES FOR SALE.

Now that we have so many settlers of the BETTER-CLASS coming to our State, those who have

Lands, Ranches, Farms,
—AND—
IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms and Libraries in the United States.

Advertisers will be wise that consult our columns.

WARREN & CO.,
CALIFORNIA FARMER OFFICE.

A NEW STRAWBERRY.

SHAPELESS, THE LARGEST, BEST FLAVORED and most productive berry ever produced. Berry raised with ordinary culture from last year set in September, 12½ inches in circumference; weight, 2½ ounces; and on the same stem four others from the size of a hickory nut to that of a walnut. See sworn statement and recommendations in my circular. Free to all sending their name and address on postal card

J. L. DILLON
BLOOMSBURG, PA

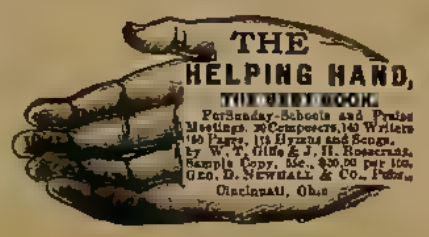
49:7

N. B.—Catalogues and Plants at FARMER OFFICE.

NEW TOOTH POWDER!

The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath
DAVID CLARKE'S
Eucalyptus Tooth Powder,
THE BEST EVER COMPOUNDED and destined to supersede all others.

WARREN & CO., SOLE AGENTS,
320 CLAY STREET, S. F.



45:2

VALUABLE INFORMATION FOR THE FARMER.

Next to the system of rotation in crops, the most important discovery yet made in Agriculture. Without any outlay of money, an increase of from 25 to 50 per cent. can be obtained in the crop of MARKETABLE

POTATOES

Proved by two years' experience. Costs nothing but time during Winter or early Spring to prepare the seed. Full directions sent for $1, payable after trial, at maturity of crop. ISAIAH T. OLIVER, Quakertown, Bucks Co., Pa.

49:3

Remitting Money.

We desire those who Remit us Money, to send it either in Checks on our *Banks here*, or by Post Office Order, or Green backs.

We desire this *specially of Newspaper Agents*, or others abroad who send *their Checks* on Home Banks—this occasions delay or expense to us in collecting, while it is just as easy for them to adopt the way we point out, and send us Cash or Currency. These are our terms.

WARREN & CO., Publishers FARMER.

BEST business you can engage in. $5 to $20 per day made by any worker of either sex, right in their own localities. Particulars and samples worth $5 free. Improve your spare time at this business. Address STINSON & Co., Portland, Maine.

PULLMAN HOTEL DINING CARS

THESE CELEBRATED HOTEL CARS ARE NOW
RUN OVER THE
Chicago and Northwestern Railroad
BETWEEN
COUNCIL BLUFFS AND CHICAGO

No other road now runs or has ever run
Pullman Hotel Cars,
PULLMAN DINING CARS,
Or any other form of hotel, dining or restaurant
THROUGH
BETWEEN OMAHA AND CHICAGO.

Do not be deceived by the false representations of the agents of other lines who tell you they have hotel cars on their lines west of Chicago. It is not true. No road west of Chicago has them except

THE CHICAGO AND NORTHWESTERN.

PASSENGERS for Chicago, Niagara Falls, Pittsburg Philadelphia, Montreal, Quebec, New York Boston, or any point East,

Should Buy their Trans-continental Tickets
—AT THIS—
Pullman Hotel Car Line.

Close connections are made at Chicago with the Lake Shore & Michigan Southern, Michigan Central, Baltimore Ohio, Pittsburg, Ft. Wayne & Chicago, Kankakee Line and Pan-Handles routes, for all points EAST and SOUTH EAST.

This road can give you CHOICE of ALL ROUTES from Chicago to the East. It allows its patrons to select the route they may think best. Determine the route you would like to travel over beyond Chicago, and we will be glad to sell you THROUGH TICKETS by it.

Passengers will find Tickets via this Favorite Route at the ticket office of the Central Pacific Railroad, Sacramento.

Tickets for sale in all the ticket offices of the Central Pacific Railroad.

W. H. STENNETT ..... General Passenger Agent
MARVIN HUGHITT ..... General Manager

H. P. STANWOOD, General Agent,
No. 2 New Montgomery Street, San Francisco.
47 11

SPLENDID **FLOWERS** OVER 1200 Distinct Varieties.
All Strong Plants, each labeled and delivered safely by mail. [illegible] We have been in business 24 years, and are reliable. Our stock of
ROSES is complete, [illegible] and contains none but [illegible]. We will [illegible] choice of 6 for $1, or 13 for $2. Our new *Plan of Purchase* [illegible] gives a name and description of each plant, with [illegible] how to cultivate successfully. HOOPES, BRO. THOMAS, Cherry Hill Nurseries, West Chester, Pa.

47 22

TO INVENTORS AND MECHANICS.

Patents and how to obtain them. Pamphlet of 60 pages free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 31,
Washington, D. C.

Strawberry Plants for Sale

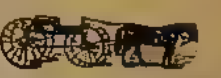
TWENTY VARIETIES.
The Rarest and Best.

PRODUCING BERRIES THIS SEASON from the size of a Walnut to that of a Hen's egg.

The varieties offered are new and choice and immediately productive.

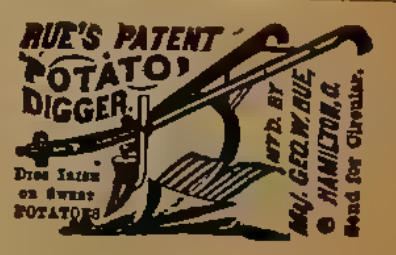
Directions for their culture given to all purchasers. For sale at

Farmer Office.



FOUR SPLENDID WAGONS.

Farmers who desire a splendid Single or Double Seated Wagon, of the BEST make and BEST finish, can have a special bargain if they will call at 320 Clay Street, FARMER Office, where style of the Wagon will be shown them, price and terms also. An early call will secure a bargain rarely obtained.



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A Magnificent Estate.

A large and very fine estate of some THREE HUNDRED ACRES with a fine Orchard of the very choicest fruit; a large Vineyard, very productive; a large number of Fig Trees, great bearers

ORANGE, LEMON, OLIVE, and choice EXOTIC FRUITS of all kind.

This estate is located in one of the "Beauty Spots" of our State, a retired, healthy and delightful place.

This estate will be sold at a great bargain by reason of declining health of the present owner.

Particulars can be had from EDITOR FARMER

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, JUNE 13, 1879.

THE CALIFORNIA FARMER READING ROOM, AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Maple Building—Up Stairs.

FARMERS HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make every effort to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms. Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for one insertion, fifteen cents a line for any larger space. Each subsequent insertion ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,

PUBLISHERS CALIFORNIA FARMER,

San Francisco, Cal.

Editor's Chair.

Home.—We have in our poets' column "Home" and the "Wedding," kindly sent us by *two new correspondents*, to which we invite our readers, both of which contain much merit, we hope more from the same source—"Don't Stop My Paper," is very appropos for the times, and has excellent points for all who feel the hard times.

"Growing Old," by Mrs. Henry Ward Beecher, is worthy a careful reading by every wife and mother—"Health of Women," "Children at Home," "About Food," "A Poor Girl's Hair," "Soft Water," on Home page are worthy of note.

Horticulture.—"Orange and Lemon Trees," "Raisins," "Give our Boys a Chance," should be read. "The London Wine and Spirit Review" shows the condition of the London wine market, and is of moment to our wine makers now that great efforts are made to crush out our wine interests by the free trade system of France. "London Seed Trade" show the condition of the seed trade there. "Australian Gum Trees," these trees should be more extensively grown over this State, and large forests of them grown to shield our State from the whirlwinds and storms that have desolated other portions of our country lately.

Miscellany.—"The Land of Magnificent Distances," is specially worthy of note, how few of our people know of this great region—"Our Imports and Exports" show our country gaining

Agriculture.—"How we Saved the Old Farm," we give chapter eight of this truly interesting story, and commend it to all our readers, the book should be in every farmer's library—"American Bacon in England," here are remarkable facts for our hog raisers and pork packers to know

Our Front Page.—We invite our vineyardists to the letter of our correspondent from Tahiti, a gentleman scientist, who shows he understands the subject, and has before offered in our columns very valuable letters upon the phylloxera and suggestions for a remedy.

We ask attention to the very interesting article on the "Capabilities of New Zealand," where now are large interests with this coast—also the "Sydney Markets," from our kind correspondent there.

Can you suggest a remedy for the small red insect that infest, trees and shrubs, covering itself with a white down?—A Reader of the Farmer.

[We are glad to give a good and sure remedy—the Eucalyptus Oil put on with a swab of woolen cloth is a sure remedy.—Ed. F.]

URANINE.

This wonderful new compound which has excited so much wonder and admiration, and which is so valuable as an Analine Dye, has been received by us and will be offered for sale by us at early day. We can show it as illustration of its magic power—a single grain will color 350 gallons of water. For sale at

FARMER OFFICE.

Bills Sent Out.

We would hope that those of our patrons to whom we have sent bills, will kindly remember that a good many *little sums from each* would be of great advantage in times when money is of value.

Our Merchants and Shippers of Goods to Australia who desire to know the rates of duties to the several Colonies, can find a "List of Duties" of each district at the Office and Reading Room of the California Farmer, 320 Clay Street, San Francisco.

BORN.

Korte—In Alameda, June 10, 1879, to the wife of William Korte, a son.

SEASON—PROSPECTS—CROPS.

From all the leading counties in our State we have encouraging tidings of the crops, the haying season is nearly over, and a very large crop will be made even with the loss that may have been occasioned by reason of the late rains.

The Barley Crop is now being gathered and promises to be a heavy one, even better than last year.

The other Grains are all doing well, rye, oats, buckwheat, all promise a good fair yield, while the Corn Crop will be a heavy one.

When we speak of our great crop our Wheat, we feel assured we are safe in saying that it will exceed the Crop of 1878, and various as are the estimates made, from 400,000 to 750,000 tons for export, we are satisfied that California will have the present year of the best of grain, Half a Million Tons as the sum we can spare for *export*.

With a Harvest like this, our Grain growers ought to be able to tide over some of the trials and difficulties of which they have so long been complaining, and if our farmers will but sell their grain as fast as they can harvest it, pay their obligations and thus send out into a general circulation the cash value of their crops, instead of storing it and "holding on" for a speculation, the great good they would do themselves and the State would be immense, for this five hundred thousand tons of grain, of *one thousand, five hundred millions of pounds*, even at 1½cts. per lb. net, would be *Fifteen Millions of Dollars*, and this sum scattered over our State would lift the incubus of debt from many thousands, and set the wheels of business to rolling merrily, and give a cheerful tone to tens of thousands of our citizens, who now are waiting for the turn of the present stagnant pools of waters to run clear again.

The Orchard Fruits of our State will this year be immense, as their abundance is already beginning to show upon our markets, so great will the harvest be that our noted Fruit preservers, Cutting & Co., James King of William & Co., Sol. Wagenheim & Co., are all driving an immense work, and this will largely increase as other fruits mature, a look through the wholesale Commission Houses on Washington, Sansome and Davis street at early morn, would surprise those that have never been there at early hour.

The Vineyards now give a goodly promise, and we believe such will be the great immenaity of the Crop that our Wine makers will make this year from *ten to twelve* million gallons of Wine, and of better quality than ever before made, constant experience is making its mark on the quality of our California Wines, and it is this great interest of our State that has so excited the jealousy of France, and caused the mission of Mons. Chotteau to our country, of which we speak in another Column.

Our noted California Wine makers, Messrs. Kohler & Frohling, Groesinger, Landsberger & Co., Lachman & Co., and Sonoma Vinicultural Society, by their large exports of Wine to the Eastern States and to Europe, have excited the action of wine makers abroad as we have noted elsewhere.

The Wool Clip of our State will be a good one, over forty million pounds, and this product has recently advanced more than *twenty-five per cent. in value*, thus adding quite a little sum to the pockets of our Wool growers.

All the other Crops of our State promise well, if we except the *Hop Crop* which appears to come short this year by some 30 to 40 per cent, and yet it will be large, some 600 tons.

Were it not for the *political cloud bursts* that so often sweep over our State we could promise sunshine and prosperity to all, based upon so plenteous a harvest in prospect, but a State under misrule and amid such a thraldom of interests, all hopes and prospects are subject to defeat.

Much of the future prosperity, we may say that all, depend upon our farmers now, for in the coming elections all the great interests of the State are placed in the scale—and our farmers hold the balance, when the weighing process comes, and the scales of prosperity or adversity are offered by the coming election, we trust our farmers will be at their post and not be found wanting. But save the state.

American Pomological Association.

The Seventeenth Session of this most excellent institution will hold their next annual gathering and festival exhibition of fruits in the city of Rochester, on Wednesday, September 17, to continue for three days

The noble and venerable President, Hon. Marshall P. Wilder, who recently was injured by a fall, we are happy to learn has again recovered and it may be hoped will preside at that meeting.

The meeting will be in the Council Chamber of Rochester, this having been granted to the Society for that purpose. We shall give the full plans soons.

The Great Sydney Exposition.

The great Australian Exhibition will be held at Sydney, opening on the first of September, and continuing *six months*.

This will be a grand opportunity for the merchants and manufacturers of California and the whole Pacific Coast to make themselves and their business known in that rich region of country.

The Pacific Mail Steamship Co., will take articles for the Exhibition at *half freight* rates, and it is to be hoped this opportunity will be duly appreciated.

All who desire information upon the Exhibition can find the Rules, Regulations, Officers names, Plan of the Buildings and all particulars at the California Farmer Office, together with complete files of Australian Newspapers from Melbourne, Queensland, Sydney, Auckland and all the important parts of that Country, with the reports of all the great interests, manufactured products, exports, etc., of Australia, these can also be had for reference to the Exhibition.

A special bargain will be offered in the splendid new pattern Farm Wagons and Buggies now on exhibition and sale at the agricultural warehouse of G. A. Davis, 327 Market Street, S. F.

BATTLE OF BUNKER HILL.

On Tuesday next again comes the anniversary of the "Battle of Bunker Hill," one of the most noted, and one of the most important events in the history of the Revolution, which gave to our country the blessing of civil and religious liberty.

As a son of New England, born in old Middlesex County, within whose boundaries are Bunker Hill, Lexington and Concord, we hail the return of this day as an epoch that stands out in history marked in letters of living light, to serve as a beacon to lead all the descendants of our "Revolutionary Sires" to be true to that great charter of freedom that was purchased at the cost of the blood of patriots.

What thrilling memories cluster around that memorable day and that sacred column that now stands on Bunker Hill; to us no spot in our own beloved country is more dear to us, it is our native county, and it has been made doubly dear by all its associations, for the name and the kindred who fought, bled and died there.

We remember well the laying of the corner stone of that lofty monument, when the noble Lafayette was present, and even at that period of long past years it was our pleasure, privilege and duty to perform military service on that occasion to the immortal hero of France who came to this country, the friend and laborer in the cause of Liberty with the immortal Washington.

The recollections of these long past events, now thrills us with precious memories as we recall them, and as we remember how few now live who can go back and recall those times or the form and features of that mighty defender of the Constitution, Daniel Webster, the orator on that occasion; as we recall his glowing eloquence on that day, we can in imagination see his towering form again as he stood upon that sacred spot with Lafayette by his sid, and a host of noble men also of those days, men too, nearly all of whom now "sleep the sleep that knows no waking."

Rarely have mortal lips uttered more eloquent words than were uttered that day in the full, clear voice of that great man whose every word could be heard by more than *twenty thousand people* who stood around him, and never has there been uttered a more thrilling peroration of eloquence than was breathed forth in the closing words of that oration, when Webster, raising himself as it were upward with his own spirit, inspired by his mighty thoughts, he lifted his arm and pointing upward said, as he prophesied the completion of that monument:

"When that last block shall be laid, when the cap stone shall be fixed, *the morning sun shall gild it with its beams, at its last lingering ray shall play around its summit.*"

Tuesday next this memorable day will be celebrated in this State by a gathering of all who can pay honor and reverence to it.

The "Bunker Hill Association," W. G. Badger, Esq., President, will hold their meeting at Redwood City, where with oration, poem, and appropriate speeches this day will be duly observed—let all who can help keep it in holy remembrance.

Fruit Drying Season.

The season for drying and preserving fruits is at hand, and all the various plans, systems and inventions will be brought forward and offered for use.

The "Alden Process" has accomplished much, and done good work, but being an expensive and costly apparatus it has not become so general as those of the more recent inventions.

The late "Fruit Dryers" are the "Granger" a valuable dryer and offered at small cost (sample dryer at the Farmer Office) the new dryer of Hampton & Kelly, advertised in our Columns, and also a good Dryer by R. B. Blower, at Woodland—these Dryers being of little cost compared with the Alden, will now come into general use.

The very large anticipated crop of fruit of the present year will require the use of many fruit dryers in order to preserve the excess of fruit and save our growers from loss

We invite attention to the "Family Fruit Dryer" now on exhibition at the Farmer Office known as the "Granger Fruit Dryer" and also to the one now offered by Andrew Collver, which is to be made in our City at early day.

Samples of the fruit dried on the Granger Dryer can be seen at Farmer Office.

Industry shall Prosper.

In our advertising Columns will be seen the card of Messrs. E. T. Anthony & Co., at 407, 409 Commercial street—the well-known re-packing establishment of over twenty-six years.

This firm is the only one in our City of this kind, and they are so well-known that their business extends over our entire Coast, it requires from 10 to 30 men to do the work; presses of 500 tons capacity soon makes a large amount of loose material into a small parcel so strong and well packed that the saving of space and measurement for shipment abroad, that the cost of re-packing is more than saved by the saving of freight in transportation on the measurement.

A visit to this establishment would interest and instruct all who buy goods for shipment abroad, as the knowledge they gain would save them money also.

The Great Yosemite Valley.

During the past few weeks this wonderful place has been the scene of great excitement, and great preparation for a scene that in past years would hardly have been conceived possible; that of concentrating three to five hundred people in the valley from all parts of our Union, and building and dedicating of a temple and holding a National Sabbath School Convention in Yosemite Valley.

This has been done recently, and we hope to lay before our readers a full account of that most interesting event, from our kind correspondent in the valley.

We had hoped to have been able to have witnessed that event, but fate willed otherwise, and we submit and wait for our correspondent's report.

GREAT STAGNATION OF TRADE.

[There can be no question now that the mercantile interest of our City and all business generally has been depressed by the result of the late election and the adoption of the new Constitution.

The result of the election has taken the great mass of business men by surprise, so confident were they that the new Constitution would be defeated that they were not prepared for such a result, the consequences are, that there is now a great depression in trade, and added to this there is a want of confidence, a fear and foreboding, that makes matters worse than before the election.

To add to the stagnation of trade, Real Estate and other solid properties are depreciating, failures are increasing, stores and houses innumerable "To Let" and the numbers daily enlarged, and this is directly attributable to the adoption of the new Constitution.

Every day and every week there are many and new sources of anxiety made known; the want of money is being very seriously felt, and as this want increases new difficulties occur, Real Estate is not only unsaleable but is constantly depreciating, there are no buildings going up, no manufactories started, and workmen out of employ are increasing in numbers, while their own necessities are becoming importunate, and added to these all business men connected with building operations are suffering most seriously by this stagnation in business; carpenters, masons, painters and workmen in all departments are feeling this condition of things, while all classes of men who have depended upon the increase of new buildings, lumber merchants, door, window and sash makers, and all hardware merchants who supplied these mechanics are doing no business, and this stagnation effect a host of others; workingmen and builders being out of employ hotels and boarding-houses have to suffer and thus through all the departments of trade, a stagnation and a deadness that is fearfully sad, and this the result of our political *stratagists* that have given the people a New Constitution that has come as a cloud over our State.

Our political system must be *revolutionized* if we would save our State.

One of our Eastern exchanges discourses about the kind of men we "need for the times," the writer gives a true view of what is needed, and certainly it will apply to California now, and points out the very kind of work that is to be done, so that the next Legislature will be composed of the right kind of men.—Ed. F.]

THE KIND OF MEN WE NEED FOR OFFICE.

"A democratic rascal is no better than a republican rogue, and *vice versa*. It is the ability and honesty of the man that fit him for office, and not his political faith. The man who fights for principles, and not for party; who dares overleap the hedges of personal friendship or favoritism, to do his duty, regardless of public or private opinion; who stoops to nothing below the dignity of his manhood, and would scorn to hold his position as a highway robber, stealing from the thousands of his fellowmen who would put him there, is the type of man the country needs to save it from impending ruin, and recall the prosperity which reigned throughout our glorious land when our fathers were not ashamed of quitting the public service poorer, (but as honest,) than when they entered it.

"It is time people open their eyes, and bury party prejudice; it is time that they purge the land of its corruption, and not suffer themselves to be cajoled by the promises of adventurers, whose sole aim is to obtain an office that will enable them to put their hands in the public coffers, and add more to the destitution now prevailing. The country needs not only talented and efficient men in its positions of trust, but it needs *honest* men, and it must have them."

[The above picture of our need now is to the very point—there must be a revolutionizing of party, we do not want old partizans, but new, clear headed men, who have never yet been slimed in the filthy pool of politics, already partizans are at work, but they must be cast aside, and new men called to take the lead.—Ed. F.]

SANTA CLARA COLLEGE.

This truly distinguished College had its Twenty-Eighth Annual Commencement exercises at the College on the 2d and 3d of this month, and it was our great pleasure to be present and enjoy the exercises of the students, and also enjoy the great social entertainment of the Fathers; where, surrounded by their pupils, parents, and friends they meet at the Annual Dinners in a happy reunion.

For more than twenty years we have enjoyed these Annual Commencement days at this College, and we must say that no College in our land, and we have attended many, are more thorough and complete, and no College on this coast with so extensive means or more faithful teachers than at the Santa Clara College.

The exercises of the present year were of a high order—the essays and addresses were evidences of very advanced scholarship, showing true devotion on the part of Fathers and Professors, and wise and close application on the part of the students, all speaking in high commendation of this College.

Commencement days are most interesting times to students, and quite interesting scenes are witnessed when so many students finish their studies and take their farewell of the College and the Fathers for a vacation or a final adieu,

The Commencement day this year at the College was a brilliant affair, from 1200 to 1500 persons attended and all were gratified, bestowing great credit upon Fathers, pupils and the College.

The College buildings are very extensive, and the many halls of the various and very valuable collections of the needed apparatus for every science taught, make the College a place of famed resort by men of science.

The grounds around the College are also extensive and truly grand, we have special note of them of which we shall speak soon.

We remember with great and pleasurable interest our many Commencement days at this College and return our kind regards to the Fathers for what we have enjoyed, and at same time earnestly recommend parents to this College if they wish their sons to do well.

CARRIAGE MANUFACTURING.

Our City is full of carriages of all kinds, and hundreds are sold every month at the public auctions that take place for various causes.

It is one thing however to buy a carriage cheap and another thing to get a *good Carriage*; it is one thing to buy a *showy* and *stylish* carriage, and another thing to get one that shall be *lasting* and *durable*.

It is one thing to buy a *costly carriage* and at same time to get one that shall prove an *easy going carriage*, one that will make a journey pleasant and agreeable.

It is one thing to buy a carriage however highly commended, and quite another thing to find after the purchase and a trial of it, that you have indeed made a purchase that has *combined all the good qualities named*, a carriage at a fair price that is *elegant, easy going, durable and satisfactory* on all the points named so essential in a family carriage.

We know there are a large number of good Carriage Manufactories in our State where carriages of all kinds are manufactured and sold, and each manufacturer claims their own best.

There are however many that *make carriages* in order to sell as many as they can, irrespective of the great desideratum that their work shall give *satisfaction* to the purchaser.

We have always held to the fact that the best article is always cheapest in the long run; and, most assuredly if there is one thing more than another where this rule will apply in the fullest sense, it is in relation to a good family carriage of any kind; and this rule will hold good to all who purchase a carriage of any kind, and also to our *farmers* for their wagons and all implements; the best article is always cheapest to buy.

Having examined many of the carriages made in our State, and there are many good and excellent ones made here, we have seen no carriages or buggies or any class of family carriages or farmers wagons, or store and express wagons, that have ever excelled those made by the extensive Carriage and Wagon Makers on Pacific street; the old and long established firm of

B. Grave & Co

Mr. Grave has been over 15 years engaged in *Carriage making* in our City, and the motto of this Firm is to make only the *Best* and send out only *perfect work*.

In this connection we can attest to the fact that we know their carriages always give satisfaction to their patrons.

Messrs. Grave & Co., employ from 30 to 50 men as orders come in, and they have large orders, not only from Home customers but all over the State, and from other places outside, even from Australia.

The style of their famed Openheim Carriage, made to use as a single or double Carriage, has no superior on this Coast, their Phaeton's, Coupes, Coaches for private use, their Stage Coaches, their Buggies and Wagons are admitted to be of a very superior quality and always please and give entire satisfaction to all who buy of this popular Firm.

To such manufacturers we always take pleasure to commend our friends and all our readers, for we are sure *our recommendation* is based on a certain knowledge that this Firm will never fail to do their work well, and please and satisfy all who give them their business.

This notice is made without any disparagement to many excellent manufacturers, but as an act of justice to worthy manufacturers of our own City, who have given long years of labor to many worthy and industrious mechanics, and thus sustained the industries of our State.

The American Association.

We have announcement of the fourth annual meeting of the "American Association of Florists, Seedsmen, etc.," to be held at the new Board rooms at Cleveland, Ohio, June 18th.

This is to be a large assembly, as delegates are expected from the principal States of the Union. every effort will be made by the officers of the Association for a meeting of great interest.

The following is the programme

Wednesday, June 18, 1879, at 10 A. M.

Address of Welcome
Response of the President
Appointment of Committees
Miscellaneous Business.

Wednesday P. M.

Address of Geo. W. Campbell, Esq., on the subject of Grape Culture and the probable future of Grape Culture in the United States
Miscellaneous Business

Thursday, June 19th, 9 A. M

Addess of Jonathan Periam, Esq., on "The Influence of Horticultural Art of Civilization."
Followed by a paper from W. C. Barry, on "New Fruits."

Thursday P. M.

Address by Dr. C. Thomas, State Entomologist, on the Aphides or Plant Lice.
Followed by Thomas Meehan, Esq., on the Future of the Nursery Business

Friday, June 20th, 9 A. M

Address of Dr. John A. Warder, on the subject of Forestry
Address of Dr. S. B. Parsons, on New Plants and the Planting of Fruit Trees in Landscape Styles

For all information address D. Wilmot Scott, Cor. Secretary, at Galena, Ill.

Haymaking and Hayraking.

When the grass and grain falls for *hay making* the next thing is to make up the *Hay*, and the very best invention to put the hay in windrows is the excellent Self Dump Hay Rake, of the Firm Bradley & Co. Patent.

Haymakers this is the Rake for you, and Geo. A. Davis, 327 Market street, is the only Warehouse where you can buy them.

The large export movement in wheat and flour at this port in April was an agreeable surprise. Usually at this season of the year we do not expect much activity in this department. At the commencement of April we had eighteen and vessels under engagement to take wheat, and few thought that they would all be loaded by the end of the month. We did even better than that. The record show that there were twenty-three clearances with wheat and flour during the month of April, independent of quantities by steamer. All but two of these clearance represented full cargoes. The number is the largest in four months. From the commencement of the present harvest year, July 1, 1878, to April 30, 1879, we have dispatched 216 ships and barks with wheat and flour—fifty

FURST & BRADLEY'S SELF-DUMP SULKY RAKE.

The Attention of Farmers is called to the merits of this Rake, and its great superiority over all Self-Dump Rakes heretofore brought to the notice of the public. The Dumping is done by friction bands around the ends of the hubs giving full control of the Rake to the operator, so as to be able to carry the teeth clear of the windrow. This does away the necessity of ratchets and pawls which is so objectionable in all other Self-Dump Rakes. The teeth are of the BEST CAST STEEL and have a double coil which renders them capable of the most severe work.

SEND FOR OUR NEW ILLUSTRATED CIRCULAR TO

GEO. A. DAVIS, Agent,

327 MARKET STREET, - - SAN FRANCISCO.

M. T. BREWER & CO.

FRUIT & PRODUCE

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS

To all Parts of the United States.

J. F. FARNWORTH - - - - - - - - - - - M. T. BREWER.

PUTNAM'S HANDY-BOOK SERIES.

What to Eat. A Manual for the Housekeeper. Giving a Bill of Fare for every day in the year. 134 pp., cloth ..... 75 cts.

Till the Doctor Comes, and How to Help Him By George H. Hoff, M. D. Revised, with Additions, by a New York Physician. A pop'ar Guide in all cases of accident and sudden illness, 12mo. 99 pp., cloth ..... 75 cts.

Stimulants and Narcotics: Medically, Philosophically, and Morally Considered. By George M. Beard, M. D. 12mo. 156 pp., cloth ..... 75 cts.

Eating and Drinking. A Popular Manual of Food and Diet in Health and Disease. By George M. Beard, M. D. 12mo. 180 pp., cloth. 75 cts.

The Student's Own Speaker. By Paul Reeves. A Manual of Oratory, comprising New Selections, Patriotic, Pathetic, Grave and Humorous, for home use and for schools. 12mo. 215 pp., cloth 90 cts.

How to Educate Yourself. A Complete Guide for Students, showing how to study, what to study and how and what to read. It is in short, a "Pocket Schoolmaster." By Geo. Cary Eggleston. 12mo 151 pp., boards, 50 cts.

A Manual of Etiquette. With Hints on Politeness, Good Breeding, etc. By "Daisy Eyebright." One volume, 12mo, boards ..... 50 cts.

The Mother's Register. Current Notes on the Health of Children. Part I.—Boys, Part II Girls. The Mother records for the Physician to interpret. From the French of Prof J. B. Fonssagrives, M. D. 12mo, cloth ..... 75 cts.

Hints on Dress. By an Artist and Woman. Outline indispensable. Estimates of cost. Economy and Taste. What we Mean by Dressing well. Color Form and suitability. How and what to Buy. 12mo, 124 pp. cloth ..... 75 cts.

The Home; Where it Should Be, and What to Put in It. Containing Hints for the Selection of a Home, its Furniture and Internal Arrangements, with carefully prepared price-lists of nearly everything needed by a housekeeper and numerous valuable suggestions for saving money and gaining comfort. By Frank R. Stockton, (of *Scribner's Monthly*). 12mo, 152 pp., cloth ..... $1 00.

The Mother's Work with Sick Children. By Prof. J. B. Fonssagrives, M. D. Translated and edited by E. P. Foster, M. D. A volume full of the most practical advice and suggestions for Mothers and Nurses. 12mo, 224 pp., cloth ..... 75 cts.

Manual of Thermometry. For Mothers, Nurses, Hospitals, etc., and all who have charge of the sick and of the young. By Edward Seguin, M. D. 12mo, cloth. 75 cts.

Infant Diet. By A. Jacobi, M. D., Clinical Professor of Diseases of Children, College of Physicians and Surgeons, New York. Revised, enlarged and adapted to popular use by Mary Putnam Jacobi, M. D. 12mo, boards ..... 50 cts.

How to Make a Living. By Geo. Cary Eggleston, author of "How to Educate Yourself." 12mo. cloth ..... 75 cts.

Manual of Nursing. Prepared under the Instructions of the New York Training School for Nurses. By Victoria White, M. D., and revised by Mary Putnam Jacobi, M. D. 75 cts.

All these valuable books can be had at the FARMER OFFICE, and will be mailed by us Post Free on the receipt of the price named above.

WARREN & CO.

49:11

OUR HOUSEHOLD PACKAGE Contains: Ralph Hornegg Grater, price 50 cents; 1 Magic Fly Catcher and Trimmer, price 25 cents; 1 Household Tool, improved, combining Knife Sharpener, Scissors Sharpener, Glass Cutter, Can Opener, Wrench and Cork Screw, price 50 cents. The whole packed securely and sent by mail to any address, postage paid, on receipt of 50 cents in stamps.

Liberal inducements to Agents.

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SHEEP DIP.

We invite our SHEEP RAISERS to a NEW SHEEP DIP just received by us from Omaha, Nebraska, known as CROCKETT'S NON-POISONOUS and TOBACCO SHEEP DIP. This new article can be had at a reduced rate in quantities at the

CALIFORNIA FARMER OFFICE.

N. B.—Call for Circulars and Particulars of its quality and merits.

B. GRAVE & CO.,

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The only Builders of the

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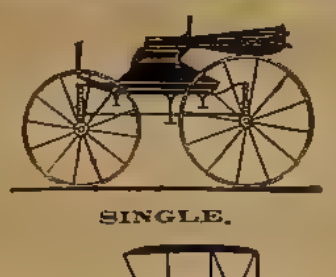

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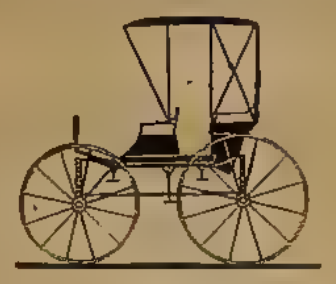


DOUBLE.

421 and 423 PACIFIC STREET,

SAN FRANCISCO.

40:11

W. H. FLETCHER,

Shipping and General Commission Agent,

40 HUNTER STREET,

SYDNEY.

WILL ACT AS AGENT FOR GOODS SENT TO THE Sydney International Exhibition, and attend to sales afterwards, or otherwise as instructed.

REFERENCES.

HUGH CRAIG, Esq., 307 California Street.
MESSRS. WARREN & CO., San Francisco.

49:10

E. T. ANTHONY & CO.,

DEALERS IN ALL KINDS OF

TOBACCO

—FOR—

SHEEP WASH

PURPOSES.

THE NEW SHEEP DIP.

We invite our wool growers to call on us and examine the NEW OMAHA SHEEP DIP the best preparation yet offered—one gallon dip makes 150 gallons wash.

407 and 409 Commercial Street,

NEAR BATTERY, SAN FRANCISCO.

49:10

SEND THE FARMER ABROAD.

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, to send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a JOURNAL as the CALIFORNIA FARMER. We know our JOURNAL is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the HOME CIRCLE everywhere, as a JOURNAL free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, SPECIAL PREMIUMS OR GIFTS are donated with the paper, to benefit our State.

THE

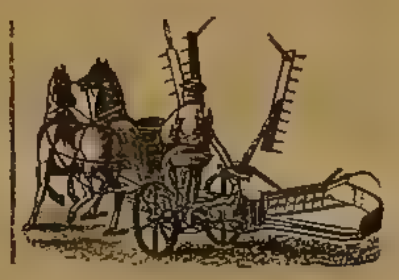
BUCKEYE

—IS THE—

LEADING HARVESTER

—OF THE—

WORLD.



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Which is Justly Called the "King" of Rakes.

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5 First Street, San Francisco.

49:5 1m

THE

New Zealand Insurance Co

FIRE AND MARINE.

Organized 1859.

Capital, $5,000,000.

With Unlimited Liability of Stockholders.

Capital	$5,000,000
Capital—paid up	1,000,000
Assets	1,035,655
Re-Insurance Reserve	346,638
All Other Liabilities	189 075
Surplus for Policy-holders	1,450,944
Premiums received to May 31, 1878	7,405,177
Losses Paid to Date	4 509,009
U S Bonds deposited in Oregon	50,000

UNDERWRITE THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandise, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

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OREGON BRANCH.

No. 7 FIRST STREET, PORTLAND,

W. F. BROWN - - - - Manager.

47:12

25 STYLES OF CARDS, with name in gold, 10 cts. S. HUSTED, Nassau, N. Y.

THE BEST WAGON ON WHEELS

IS MANUFACTURED BY

FISH BROS. & CO.,

RACINE, WIS.

WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work, by employing none but the

BEST OF WORKMEN,

USING NOTHING BUT

First-Class Improved Machinery and the Very Best of Selected Timber,

AND BY A THOROUGH KNOWLEDGE OF THE BUSINESS, WE HAVE JUSTLY EARNED THE REPUTATION OF MAKING

"THE BEST WAGON ON WHEELS."

We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ——, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {Titus W. Fish, Edwin B. Fish, Jno. C. Higgins,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. Send for Prices and Terms, and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.

—OR—

GEO. A. DAVIS,

Manufacturers' Agent for Pacific Coast,

327 MARKET STREET,

SAN FRANCISCO.

48:17

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

Full Directions for Use Accompany every Box.

—ALSO—

CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

Clarke's

LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury* or *other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1872.

To MR. DAVID CLARKE, Chemist, Warwick

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed *good health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON.

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 25, 1874.

To MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)
JOHN GREEN,
—Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia *for three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,
GALEN CLARK,
Commissioner Yosemite Valley.

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, coming from so high a source, we feel it a duty we owe to the public to give it the following letter

SANTA CLARA, SANTA CLARA COUNTY.

COL. WARREN—*Dear Sir*

Heretofore we have had no occasion of trying the Eucalyptus Medicines, in Pills or Liquids, but we have commenced to use them, and we find them very beneficial; some of our Fathers find a great relief in their complaints; the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare. Yours respectfully,
A. CICHI, S. J.

At later date we received the following, another proof of the virtue of this Medicine

The Pills we find to be a mild and beneficial cathartic. The Liquid Extract is a valuable Blood Purifier and a good appetizer A. CICHI, S. J.

The above from Prof. Cichi, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedial.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, more imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you David Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY

David Clarke.

Manufacturing and Wholesale Chemist,

AT HIS LABORATORY,

Warwick, Queensland.

FOR SALE BY

WARREN & CO.,

SOLE AGENTS FOR THE

UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

WATKIN'S

NEW SERIES

—OF—

Yosemite and Pacific Coast Views,

—ONLY AT—

427 MONTGOMERY STREET
San Francisco. 49:10

Home Miscellany.

"There is no place like Home.
Home! It should be Heaven on Earth

Written for THE CALIFORNIA FARMER.

HOME.

LETTIE.

Home that place of true and gentle rest,
Unfolding the finer feelings of the breast,
Which jarred by strife, and jostled by the throng,
As they, with eager footsteps push along
Need Home! dear Home, to tune the jarring string,
And make the heart revibrate, with a joyful ring.

Like the tired wanderer, who, seeking rest and shade,
Finds shelter, in a peaceful woodland glade,
For having wandered 'till his feet are sore,
And weary limbs refuse, to serve him more,
O'er burning fields, through forest tangled steep;
The view enchants, and charms him, into sleep.

Grand, stately trees, like virtues, firm and strong,
Deep rooted, tall, and giant-like, in form,
Enclose the spot, and bar the burning heat,
And the wild tempest from the loved retreat.

Sweet blooming flowers, emblems of joy and love,
Lift their bright, pure faces to the sky above,
Living their humble mission, die, and seek no goal,
But paint in Heavens own beauty, a picture on the soul.

Fond Nature strove with free and lavish hand
To grace the bower, as if twice fairy land.
Wild song-birds, choose the spot, from all around,
And make the woodland echo with their sound,
'Till even the tiny leaflets catch the strain,
And softly, gently, murmur it again.

Ah, such a happy hour for birds and flowers!
Would that such happiness might be in Homes of ours,
Unstained by spoil and gain untried by strife,
Would not it be a joyous, thankful life.

If virtue with her strong protecting arm,
Were round about us shielding from all harm,
Then we would find our homes secure and strong,
And storms howe'er severe would not be long.

And flowers of happiness would ever gladly bloom,
Smiling away the dreariness, and gloom,
Bright thoughts like happy birds, be on the wing,
And we like birds with joyful hearts would sing.

The if stern winter come all drear and cold,
The trees of virtue stand protecting as of old,
And spring times genial warmth and sunny clime
Will bring its sweetest flowers in God's own time.

Written for THE CALIFORNIA FARMER.

THE WEDDING.

ELLEN BUTTERFIELD.

He led her to the altar,
So happy, bright and fair.
She knew he would not falter
In his loving, tender care.

She in her joy and gladness,
Thought not of weal or woe,
Which in future might bring sadness
To the hearts that loved her so.

But what means that look of sorrow?
And the tear that now is starting?
Ah! she thinks her of the morrow,
Of the anguish of the parting.

Of her parents, O, how lovely!
Of her home that soon so drear,
She their darling and their only,
'Gain would she their hearts cheer

But the shadow quickly vanished,
From her fair and lovely brow,
For she had her loved and cherished
To protect and shield her now.

And a holy calm stole o'er her,
As she thought of One above,
Who would ever gently guide her
With His watchful care and love.

DON'T STOP MY PAPER.

Don't stop my paper, printer,
Don't strike my name off yet;
You know the times are stringent,
And dollars hard to get;
But tug a little harder
Is what I mean to do,
And scrape the dimes together,
Enough for me and you.

I can't afford to drop it,
I find it doesn't pay
To do without the paper,
However others may.
I hate to ask my neighbors
To give me theirs on loan;
They don't just say, but mean it,
Why don't you have your own?

You can't tell how we miss it,
If it, by any fate,
Should happen not to reach us,
Or comes a little late;
Then all is in a hubbub,
Then things go all awry,
And printer, if you are married,
You know the reason why.

I cannot do without it,
It is no use to try,
For other people take it,
And, printer, so must I.
It, too, must keep me posted,
And know what is going on,
Or feel, and be accounted
A fogy simpleton.

Then take it kindly printer,
If pay be somewhat slow,
For cash is not so plenty,
And wants not few you know.
But I must have my paper
Cost what it may to me,
I'd rather dock my sugar,
And do without my tea.

So, printer, don't you stop it,
Unless you want my frown,
For here's the year's subscription,
And credit it right down
And send the paper promptly
And regularly on,
And let it bring us weekly
Its welcomed benison.

A clock is being exhibited in Paris that fires a shot every hour, somebody says that the practical utility of this invention is, *to kill time.*

GROWING OLD.

[MRS. HENRY WARD BEECHER, in the *Christian Union*, gives a beautiful, truthful and glowing picture upon the subject of "Growing Old," no writer could give a more faithful sketch on this momentous theme—every parent, and every husband and wife will recognize and feel the thrilling truths here portrayed by this able writer.—ED. F.]

If we truly believe this life is simply a preparatory state, where we are being fitted to enter another and better life, why should we shrink from the approach of old age? It but brings us nearer to the full enjoyment of that blessedness for which most are supposed to be striving. Those who own hearts bear witness that they are not living in this probationary state, in a manner that will insure them an entrance to the joys of that better world, have good reason to dread old age and all its infirmities, for they realize that these are warnings of the coming change, when the acts of their whole lives, the thoughts of their hearts, not even manifested by word or act, will be fully revealed.

But even among the best, whose lamps are kept trimmed and burning, this repugnance to growing old is frequently manifested. This arises, no doubt, in part from the uncertainty of what that change will be, knowing that if they have lived aright it must be most blessed, yet still shrinking ing from the first step into this unknown, untried future.

Said a little girl just hovering between life and death: "I am willing to die, mamma; but if you could only go with me and lay my hand in His, mamma, for I am not really acquainted with Jesus, and you know how timid I am about meeting strangers, even when I have learned to love them."

That little girl touched the true reason why good people so often

"Stand shivering on the brink,"

But that shrinking from the untried is not all. As we grow old we look back on the past and see much that we could have done better. So much good that we have carelessly neglected to do; so many of the sorrowful ones that we have passed by without at least giving sympathy; so many sick that we have not ministered unto; so many fallen to whom we have not stretched strong and willing hands.

It is this long list of mistakes—if not sins—that robs old age of the sweet peace in watching for the great change that is near.

Ah! If we could go back, still holding in our hearts the clear memory, the full consciousness of our mistakes in the past—every neglected duty, every unkind act or word—and have the privilege of making a second trial, of living again the whole of the three score years and ten, or at least from the period when capable of judging between right and wrong!

But even while the first life spread out, ever before us like a chart, should we really improve upon the past? God only knows. And that He does not grant this second trial, argues that it is not for the best. He who doeth all things well, doubtless sees what the result would be.

But this is idle speculation. The word of God, the whole map of human life, that lies spread out before us, our own knowledge of good and evil, the good deeds of those that have gone before, or are now making the world brighter and better by their daily walk and conversation; all are in need to guide us safely, and keep us from stumbling, if our hearts are open to such influences, and really desirous of doing our duty.

Anxiety for children not yet established in life is another cause for our reluctance to accept old age and its infirmities, when it begins to herald its approach. We are not ready to have our children grow out from our care, our restraining influence; and even when well settled and leading a life quite independent of us, we are not easily reconciled to the weaknesses and feebleness that are the usual signs of the advancing old age. It is hard to believe that we are no longer necessary to the comfort and well-being of our children. It takes years to realize that they have grown away from us, that for all practical purposes we are no longer needed by our children—loved and honored, to be sure, as souvenirs of their youth, but they find themselves able to pass on successfully without our help. To see that those whom we watched over, and gave our rest and strength—almost our lives for—have grown far beyond anything that we can do for them, except to love them to the last of life—this is hard.

But when two have journeyed from early youth to the verge of old age, have seen their children grow up and scatter, making separate homes for themselves, as is perfectly right and natural, then, if one stumbles and passes into old age and its infirmities before the other, no longer keeping even pace together, to be, or to be supposed incapable of any longer bearing the burden and heat of the day together—one bright and full of energy, the other no longer called upon for active service—that is the one thing most to be dreaded in growing old. An early death with the full harness on would be far preferable.

But the poison, the bitterness of even that sharpest pang, may be somewhat softened, if, while in full health and strength, one endeavors to live so truly and faithfully for the comfort and happiness of others, that they shall leave all along their lives some bright spots that cannot grow dim, even when they are laid aside. Such lives cannot die out. Their memory will always live in the hearts of their best beloved. After their ever busy lives have closed, what they really did of good to others will be more truly recognized and more lovingly appreciated, than when those loving acts were an every hour's occurrence. Even if one does not derive all the comfort and support from this thought, in after life, which is their due still it is a good memento to leave behind us, because such lives bring blessings to others.

"This thought I give you all to keep;
Who soweth good seed shall surely reap.
The year grows rich as it groweth old,
And life's last sands are its sands of gold."

Religion is the best armor in the world, but the worst cloak.

HEALTH OF WOMEN.

We were consulted some time ago, says Dr. Nixon, by an elegant lady of fashionable life on account of two of her beautiful daughters, who were as sylph-like and symmetrical as fashion could make them, but who showed too plainly that their forms and constitutions were as frail as debility could make them without actually manifesting some specific form of disease. "Oh, what shall I do with my beautiful girls?" exclaimed the mother. "Give them strength," I replied. "And how shall that be done?" said she. "Let them make their own beds, carry their own water up stairs and down, and sweep their own rooms, and perchance the parlor and drawing-room, go to market and bring baskets of provisions home, garden, wash and iron!" Looking at me with surprise, she said: "What sort of minds would they have, what sort of bodies?" I answered: "They would have as healthy and happy ones as your servants. You now give all the health and happiness to your domestics. Be merciful to your daughters and let them have a share.

Work without useful aim or end, is not occupation nor employment. When the treadmill was introduced as a mode of punishment, the wretched prisoners felt themselves more degraded by "doing nothing," as they called it than by their crimes. How many ladies in fashionable life are doomed for years to feel the bitterness of "doing nothing!" What wonder if they are nervous, irritable and diseased. Useful work, or satisfactory employment, is as essential to the health of the mind as to that of the body.

CHILDREN AT HOME.

Nothing concerning the future welfare and happiness of the young is so neglected by parents and guardians as the manner in which their evenings are passed. Darkness is a temptation to evil, and allowing young men and boys to be absent from home when the light of day does not restrain them from misconduct, is in reality training them to it, and will in the future often be productive of incalculable mischief and ruin. In the family circle, however, something more is needed than the mere command, and parents should endeavor by their own example to show the importance of making the evening hours the happiest in the day, for if heads of households do not acknowledge the truth of the proverb, "there is no place like home," how can they expect their children to believe in it? Evening amusement and recreations in the home parlors are decidedly more agreeable and pleasant than enjoyments or dissipations abroad; and honorable and learned men are the product of the one, while miserable and dissipated specimens of the human race are the fruit of the other. Let home be the delightful place it should be, and let the same fascinations and inducements be offered at the homestead as abroad, and a more exalted and creditable class of citizens will be found.

[We would hope most earnestly that parents at the present time, in this State particularly, where there are so many temptations on every hand for the young will awake to their duty, and as it is pictured above, make *Home* the happiest place and thus save their children from harm.—ED. F.]

A NEW THEORY ABOUT FOOD.

A German physician has started a new theory with regard to food. He maintains that both the vegetarians and the meat eaters are on the wrong track. Vegetables are not more wholesome than meat nor meat than vegetables, and nothing is gained by consuming a compound of both. Whatever nutritive qualities they may possess, he says, are destroyed in great measure, and often entirely, by the process of cooking. All food should be eaten raw. If this practice were adopted there would be little or no illness among human beings. They would live their apportioned time and simply fade away, like animals in a wild state, from old age. Let those afflicted with gout, rheumatism and indigestion, try for a time the effect of a simple, uncooked diet, such as oysters and fruit for instance, and they will find all medicine unnecessary and such a rapid improvement of their health that they will forswear all cooked articles of food at once and forever. Intemperance would also, it is urged, no longer be the curse of civilized communities. The yearning for drink is caused by the unnatural abstraction from what are termed "solids" of the aqueous element they contain—uncooked beef, for example, containing from 70 to 80 per cent., and some vegetables even a larger proportion of water. There would be less thirst, and consequently less desire to drink if our food were consumed in its natural state without first being subjected to the action of fire.

Soft Water.

Those who are obliged to use hard water to do washing may prepare it by boiling wheat bran in it. Two or three quarts of bran is put in a bag, made of strong, but thin muslin, tied up and put in a boiler full of cold water, the boiler placed upon the stove, and the water allowed to boil for an hour or so, when it is poured out and the boiler refilled. The bag of bran is again put in and again boiled for an hour or so. This operation is repeated until enough water has been prepared for all the rubbing, boiling, etc. The water in which the clothes are rinsed needs not preparation, but is used as it comes from the well. Ladies who have used hard water for years and have tried lye, soda, sal-soda, etc., tell us that the water washes better and injures the clothes less prepared in this way than in any other in which they have seen it prepared. A bag containing three quarts of bran may be boiled in three boilers full of water, but if more water than this is required fresh bran should be used. The water acquires a softness from the bran that renders it more pleasant to the hand and it is not injurious to the colored clothes, flannels, etc., as when prepared with the alkali.

"Mamma, I don't think the people who make dolls are very pious people," said a little girl to her mother, one day. "Why not, my child?" because you can never make them kneel. I always have to lay my doll down on her stomach to say her prayers."

A POOR GIRL'S HAIR.

A young and poorly clad girl entered a barber shop in Vienna, and told the proprietor he must "buy her hair." The barber examined her long, glossy chestnut locks, and began to bargain. He could give eight florins and no more. Hair was plentiful this year, the prices had fallen, there was less demand, and other phrases of the kind. The little maiden's eyes filled with tears and she hesitated a moment while threading her fingers through her chestnut locks; she finally threw herself in a chair and exclaimed:

"Then take it quickly."

The barber, satisfied with his bargain, was about to clinch it with his shears, when a gentleman who sat half-shaven, looking on, told him to stop.

"My child," said he, "why do you sell your beautiful hair?"

"My mother has been nearly five months ill. I cannot work enough to support us; everything has been sold or pawned, and there is not a penny in the house."

"No, no, my child; if that is the case I will buy your hair, and give you one hundred florins for it."

He gave the poor girl the note, the sight of which dried her tears, and he took up the barber's shears. Taking the locks in his hand he took the longest hair, cut it off, and put it carefully in his pocket-book, thus paying one hundred florins for a single hair. He took the poor girl's address in case he should want to buy another at the same rate. He is only designated as the chief of a great industrial enterprise within the city.

Cut this Out and Save Life.

Who does not value life? and who would not give all their wealth to *preserve health?* for this is life?

What is life without good health? a heavy, weary load of pain and sorrow.

BLOOD IS LIFE!

And the best blood purifier in the world is "David Clarke's Australian Liver Pills," there are no pills manufactured that surpass them in excellence, and are so certain a remedy for all evils that affect the liver or taint the blood—buy only DAVID CLARKE'S GREAT REMEDIALS.

COFFEE GROUNDS AS A FERTILIZER.—A lady of San Francisco received some plants from Mexico, and with the plants came the advice to fertilize them with waste coffee and coffee-grounds. This was done, and the results were so satisfactory that that the same treatment was tried on roses, and the result was "a healthy and vigorous growth and more and better flowers, and of richer colors."

GRAND TRIUMPH FOR EUCALYPTUS.

EUCALYPTUS WILL CONQUER DISEASE.

We publish the following strong TESTIMONIAL in favor of the GRAND REMEDIAL POWER of the Eucalpytus, prepared by DAVID CLARKE, CHEMIST, of Australia.

This Testimonial comes from a prominent Merchant of this City, whose name is with us for reference for all who suffer and would be relieved.

SAN FRANCISCO, April 7, 1879.

EDITOR CALIFORNIA FARMER—*Dear Sir*

Some time ago I had the misfortune to sustain a dislocation of the shoulder received from a fall, and while I was suffering the most acute pain as the effect of it, so much so as to be deprived of my sleep nights, I met my old friend, Col. Warren, who presented me with a bottle of "Eucalyptus Oil" saying as he did so, "try it." "bathe the shoulder and arm well, and on retiring saturate a cloth with the oil, and bind it to your shoulder, and you will have no more sleepless nights on account of pain from that." I followed the Colonel's directions, and must say that the Eucalyptus Oil will do all that is claimed for it as an alleviator of pain (rheumatic and otherwise) and more too.

A preparation made from the Eucalyptus Trees, by frequent ablutions of the eyes will restore weak eyes to strong ones and positively restore the sight as good as ever to people whose eyes are failing, if they will keep their body in good condition by the use of Eucalyptus Pills—while using the eye wash. Yours truly, G. H. B.

N. B.—There are many compounds made in this State, yet however good, the *genuine* Remedials are those prepared by David Clarke, Warwick, Australia, for sale by Warren & Co., Agents.

THE TRALL

Hygienic Sanitarium

NO. 8. ELLIS STREET,

SAN FRANCISCO.

Thermo-Electric, Steam, Hot Air and other Baths. Electricity, Swedish Movements, Health Lift, Etc.

Healthful Board and Pleasant Sunny Rooms

D. C. MOORE, M. D.,
(Late associate of Dr. Trall,)
Resident Physician and Manager.

MRS. E. D. MOORE, M. D.,
Ladies' Physician and House Superintendent.

Send for Trall Health Journal.

40:7

TO DRUGGISTS AND APOTHECARIES.

THE GREAT EUCALYPTUS REMEDIALS.

These wonderful and truly successful medicines that have been so promptly effectual in curing Bilious and Liver Complaints, Rheumatism, Neuralgia, Fever and Ague, and Dyspepsia, can now be supplied in any quantity by

MESSRS. CHARLES LANGLEY & CO.,

who have been appointed as our

WHOLESALE AGENTS.

Messrs. Langley & Co. will supply Druggists and Apothecaries of our State and Coast with these GREAT REMEDIALS at shortest notice.

WARREN & CO.,
SOLE AGENTS FOR THE UNITED STATES.

SHERMAN & HYDE,

WHOLESALE AND RETAIL

MUSIC DEALERS,

CORNER KEARNY AND SUTTER STS.,

San Francisco.

WEBER PIANOS

.... ARE ....

THE BEST.

What the Great Musicians and Singers say of them.

NEILLSON. I shall take every opportunity to recommend and praise your instruments.

KELLOGG. For the last six years your Pianos have been my choice for the Concert Room, and my own home.

PATTI. I have used the Pianos of every celebrated maker, but give yours the preference over all.

STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

WEHLI. Madame Parepa called your Pianos the finest in the United States. I "fully endorse," that opinion. They have no "rival anywhere."

MILLS. Amongst the many excellent Pianos made in the city, the Weber ranks foremost.

LUCCA. Your Uprights are extraordinary instruments and deserve great success.

MURSKA. Your instruments surpass my expectations and I rank you justly as the Foremost Manufacturers of the day.

GODDARD. Your Instruments have no "superior" anywhere. I certainly have not seen any Pianos in America which approach them even.

The Cottage Gem Piano,

Is 7 Octave. Serpentine Mouldings. Carved Legs, and is the BEST PIANO in the market for the price.

$350.00.

The Standard Organ

Has a Beautiful Case, full, rich tone, and for durability

Excels all Others!

.... FOR ....

Sheet Music, Music Books,

OR ANY ARTICLE IN THE

MUSIC TRADE,

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44:21 SAN FRANCISCO.

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SANTA CLARA, CAL.

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This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It contains six large buildings with extensive shady playgrounds, covered gymnasiums, swimming pond, etc.

It possesses a most complete philosophical apparatus, and valuable collections of mineralogy and geology. It has also practical schools of Assaying, Surveying, Telegraphy, Photography, and Commercial business. For the latter a new building 150x40 has just been finished that leaves nothing to be desired.

Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course.

TERMS—(Payable semi-annually in advance) Matriculation fee, to be paid but once..... $ 10.00
Board, Lodging, Tuition in all branches, Washing and Mending of Linen, School Stationary, Medical attendance and Medicine, Baths, etc., per session of ten months..... 250.00

For further particulars apply to the President of Santa Clara College, or to St. Ignatius College, 841 Market Street, San Francisco

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HITTELL'S HISTORY OF SAN FRANCISCO.

THE FARMERS' CYCLOPEDIA; OR, 100,000 FACTS FOR THE PEOPLE.

THE PICTURE HISTORY OF THE WORLD.

THE PACIFIC LAW ENCYCLOPEDIA.

THE ENCYCLOPEDIA OF WONDERS AND CURIOSITIES.

ACHIEVEMENTS OF STANLEY.

Send for full particulars. In every neighborhood there is a demand for good books. Ladies will find this a remunerative business. Address

A. L. BANCROFT & CO.,
SAN FRANCISCO, CAL.

Miscellany.

Gatherings along the way side,
Floating gems by every tide.

A LAND OF MAGNIFICENT DISTANCES

[R. M. ROBINSON, in *Harper's Magazine for June*, gives the following sketch of the immense territory owned by the Hudson Bay Company, this information will be new to many, and will surprise all.—ED. F.]

The enormous extent of the territory over which the Hudson Bay Company carries on its trade, and throughout which depots and posts are established, can scarcely be comprehended at a merely cursory glance. From Bembina, on the Red River, to Fort Anderson, on the Mackenzie, is as great a distance as from London to Mecca; the space between the Company's post at Sault Ste. Marie and Fort Simpson, on the Pacific, measure more than 2500 geographical miles; from the King's Posts to the Felly Banks is farther than from Paris to Samarcand. The area of country under its immediate influence is about 4,500,000 square miles, or more than one-third greater than the whole extent of Europe.

For purposes of trade the original chartered territories of the Company, and the vast outlying circuit of commercial relations, are divided into sections called the Northern, Southern, Montreal, and Western departments. Of these, the Northern Department is situated between Hudson Bay and the Rocky Mountains; the Southern between James Bay and Canada, including also East Main, on the eastern shore of Hudson Bay; the Montreal Department comprehends the extent of the business in the Canadas; while the Western comprises the regions west of the Rocky Mountains. These four departments are again divided into fifty-three smaller portions, called districts, each of which is under the direction of a superintending officer, and has a depot fort, to which all the supplies for the district are forwarded, and to which all furs and other produce are sent for shipment to England. These districts are again subdivided into numerous minor establishments, forts, posts, and outposts. Over each of these there is an officer and from two to forty men, mechanics, laborers, and servants. Besides, the Company employs multitudes of men as voyageurs, manning and working the boats and canoes in every part of the territory. The discipline and etiquette maintained are of the strictest kind, and an *esprit du corps* exists between the three thousand officers—commissioned and non-commissioned—voyageurs, and servants such as is only to be found in the army, or in an ancient and honorable service.

The forts and trading posts of the Company are scattered over its immense territories at distances apart varying from fifty to three hundred miles. A better idea may, perhaps, be obtained of their relative positions, and of the isolated lives of their garrisons, by imagining the broad State of Ohio planted in the middle of the fur country. In that event the Company would build one trading post in it.

Our Imports and Exports.

With all the general depression of business over the whole country, and the lessened imports and exports resulting from this depression, the exports of the country have been goin on steadily, though perhaps not as largely as if there was a prospect of a large business in view.

We gather from the United States Treasury reports from the Bureau of Statistics, which we receive regularly by the courtesy of the chief of the Bureau, the following data:

The total exports of domestic products from July 1, 1878, to Feb. 1, 1879, was	$428,003,630
The total imports for same period, seven months	264,928,200
Total gain over imports	$163,075,430

This most gratifying report shows that in seven months our EXPORTS are $163,075,430 more than our IMPORTS, thus making our country so much richer in these few months, equal to nearly $300,000,000 per annum, and this prospect too with over $400,000,000 in the United States Treasury, is not our nation rich?

"Naterals."

On one occasion while journeying through the White Mountain region, he (Agassiz) and his scientific companion, seated on the top of the stage, irritated the driver by repeatedly calling upon him to stop when they noticed any thing botanically fascinating on the road, and jumping down from their seats in order to obtain it. Professor Felton, who was with them, kept his seat during the whole ride, and told the driver, in explanation of their conduct, that they were naturalists. On the next day, when the coachman had another load of passengers, he narrated to those near him on the box the strange freaks of his yesterday's companions. "Their keeper," he added, called them naterals; and certainly they behaved as sich.—E. P. WHIPPLE, in *Harper's Magazine for June*.

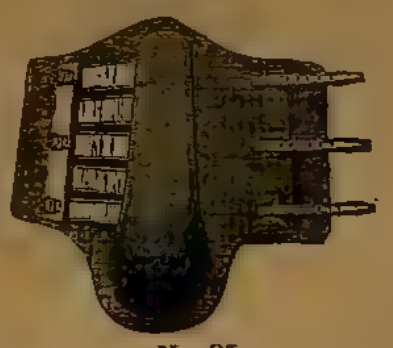
Two weasels found an egg. "Let us not fight for it," said the elder weasel, "but enter into partnership." "Very good," said weasel the younger. So, taking the egg between them, each sucks an end. "My children," said Redtapes, the attorney, "though you have but one client between you, make the most of him."

"Here," said a farmer as he exhibited a broken jar to the manufacturer, "I packed this jar full of butter, and the jar split from top to bottom. Perhaps you can explain the phenomenon." "Oh, yes, the butter was stronger than the jar."

MAIN & WINCHESTER

Nos. 214 and 216 Battery Street,

San Francisco.



No. 35.

ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47:20

SAN FRANCISCO CORDAGE CO.

ESTABLISHED 1856.

Have constantly on hand a full supply of all kinds of Manila and Sisal Rope—manufactured from the PURE Fibres—and by the latest improved machinery. All our Manila Rope GUARANTEED.

HAY ROPE.

The special advantages of Rope for baling purposes, are the uses to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for Halters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when baled with Rope.

FOR SALE BY ALL DEALERS.

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SAN FRANCISCO.

S. P. TAYLOR & CO.,

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Between Sansome and Battery,

SAN FRANCISCO

MANUFACTURERS AND DEALERS IN

Printing, Hardware, Manilla, and Straw Papers, PAPER BAGS, TWINE, ETC.

Depot of the Pioneer

—AND—

EAGLE PAPER MILLS.

43 19

A GOOD PLAN.

Anybody can learn to make money rapidly operating in Stocks, by the "Two Unerring Rules for Success," in Messrs. Lawrence & Co.'s new circular. The combination method, which this firm have made so successful, enables people with large or small means to reap all the benefit of largest capital and best skill. Thousands of orders, in various sums, are pooled into one vast amount and *co-operated* as a *mighty whole*, thus securing to each shareholder all the advantages of the largest operator. Immense profits are divided monthly. Any amount from $5 to $5,000 or more, can be used successfully. *N. Y. Baptist Weekly*, September 21, 1878, says, "By the combination system $5 would make $75, or 5 per cent., $50 pays $350, or 7 per cent., $100 makes $1,000, or 10 per cent. on the stock, during the month, according to the market." *Frank Leslie's Illustrated Newspaper*, June 29: "The combination method of operating stocks is the most successful ever adopted." *New York Independent*, Sept. 12: "The combination system is founded upon correct business principles, and no person need be without an income while it is kept working by Messrs. Lawrence & Co." *Brooklyn Journal*, April 29: "Our editor made a net profit of $101.25 from $20 in one of Messrs. Lawrence & Co.'s combinations." New circular (mailed free) explains everything. Stocks and bonds wanted. Government bonds supplied. Lawrence & Co., Bankers, 57 Exchange Place, N. Y. 42:10

Peterson's

COUNTERFEIT DETECTOR

—AND—

National Bank Note List.

THIS CELEBRATED PUBLICATION OF THIRTY Years standing, one of the best works of the kind known, published by Peterson Brothers, Philadelphia.

Subscription price, monthly..... $1 50 per year.
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Can be had at the Reading Room of THE CALIFORNIA FARMER, 320 Clay Street, San Francisco.

THE

Queensland Almanac.

LAW CALENDER AND DIRECTORY FOR 1879,

For Brisbane, Queensland.

TWENTY-FIRST YEAR OF PUBLICATION.

A complete Directory of all the Interests of Queensland—A valuable work of over 500 pages.

Price, $1.50 Mailed.

For sale at THE CALIFORNIA FARMER Office, Warren & Co. Agents for Publishers.

Newspapers for Packing

A LARGE lot of good country newspapers in good order for packing up goods, can be had at reasonable rates, in lots of *One to Five Thousand*.

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320 Clay St., San Francisco.

AMERICAN

Berkshire Record.

Authentic and Reliable Pedigrees

Of the principal families of Berkshire Swine, with dates of farrow, addresses of breeders, etc.,

PATRONIZED BY THE

FOREMOST BREEDERS IN ENGLAND AND AMERICA.

Volume I. contains the standard of Characteristics and Marks of Berkshire Swine, adopted by the National Convention in 1872; and Volume II. the STANDARD OF EXCELLENCE, more recently adopted by the AMERICAN BERKSHIRE ASSOCIATION. In each will be found

Also Valuable Treatises on Swine

The price of Vol. I. is $3.30, post-paid; that of Vol. II. $5.00, post-paid. Volume I. and II. will be sent, if ordered at same time, (although both need not go the same address) for $3.00, post-paid, the money to accompany the order.

BLANK FORMS FOR PEDIGREES.

Bound in sets of one hundred, with studs for retaining memorands, price $1.00 per set. These forms are adapted to general use by breeders of all kinds of farm and domestic animals, and are designed to aid in the systematic preservation of pedigrees.

PREMIUM ESSAYS.

I. The Origin, Breeding and Management of Berkshire Swine.

II. The Diseases of Swine, their Causes, Symptoms and Remedies.

These two Essays, for which the Association paid $100 each, and the seven illustration therewith, have been published together in pamphlet form. They will be sent post-paid on receipt of 25 cents.

For further information, read carefully the Third Annual Report of the Association, and the Suggestions, Instruction and Rules therewith, or Address,

N. B.—These Splendid Volumes can be seen at THE FARMER OFFICE.

PHIL. M. SPRINGER, Sec'y,
Springfield, Ill.

48:7

PATENTS

In connection with the publication of the *Scientific American*, we continue to act as Solicitors for Patents, Caveats, Trade-Marks, Copyrights, etc., for the United States, Canada, Cuba, England, France, Germany, etc. In this line of business we have had *thirty-three years' experience*.

Patents obtained through us are noticed in the *Scientific American*. This large and splendidly illustrated weekly paper shows the current progress of Science, is very interesting, and has an enormous circulation. Subscriptions $3.20 a year, postpaid; single copies 10 cents. Sold at all Book-stores and Newsdealers.

Can I Obtain a Patent? The quickest and best way to obtain a satisfactory answer, without expense, is to write to us (Munn & Co.), describing the invention, with a small sketch. All we need is to get the idea. We will immediately answer, and give the necessary instructions. For this advice we make *no charge*.

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Farmers' Accounts.

WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer.

A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to all—handsomely got up and finely bound. Price, $2.50, worth ten times the cost. 45:21

$1 A BOTTLE

—FOR—

CLARKE'S EUCALYPTUS OIL,

Sure Cure for Rheumatism.

For Sale at 320 Clay Street.

J. M. THORBURN & CO.,

15 JOHN ST.

NEW YORK.

Growers and Importers of

GARDEN, FLOWER, GRASS,

— AND —

TREE SEEDS.

SOLICIT Orders for the above from the TRADE, also, GLADIOLUS and all other *BULBOUS ROOTS*.

Price Lists on Application.

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New Books—Life Science.

The following valuable new works just received at THE CALIFORNIA FARMER OFFICE, 320 Clay Street, worthy special attention:—

"PLAIN HOME TALK AND MEDICAL COMMON SENSE,"

A most valuable work, one volume, 900 pages, fully illustrated with 200 engravings.

"SCIENCE IN STORY,"

A most interesting volume of nearly 1200 pages, admirably illustrated; Also, "Science in Story" in five volumes, most admirably written and most inviting to every reader and conclusive in the arguments of every story.

These Volumes are all Edited by Dr. E. B. Foote, and issued by the Murray Hill Publishing Company, of Chicago, Ill., and for sale at the FARMER OFFICE.

BOOK

—AND—

JOB PRINTING.

POSTERS, CARDS,

—AND—

CIRCULARS,

PROMPT, CHEAP AND GOOD

AT THE LARGEST PRINTING HOUSE

On the Pacific Coast.

COMMERCIAL

STEAM MAMMOTH

PRINTING HOUSE.

517 CLAY STREET,

FRANCIS, VALENTINE & CO.,

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Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and every article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

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All rare and choice things can always be purchased as above.

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A PRACTICAL TREATISE ON

SILK CULTURE,

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A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 5 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED.

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine Patent Bee Hives of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,

320 Clay Street,

SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Liniment for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Liniment is needed, as it has been proved to be the best Liniment known.

FOR SALE,

Wholesale and Retail,

WARREN & CO.,

320 Clay Street,

AGENTS FOR DAVID CLARKE'S REMEDIALS.

ADVERTISERS ABROAD AND AT HOME.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows:—All line advertisements will be ONE DOLLAR for Five Lines, or less, Nonpareil, *first insertion*; larger space, *Fifteen Cents per Line*; each subsequent insertion, *Ten Cents per Line*. This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community.

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

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For one-eighth of a column, three months	$15.00	For one-half of a column, three months	50.00
For one-quarter of a column, three months	30.00	For an entire column, three months	100.00

For a single month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra will be specially understood that these rates are invariable—unchangeable; the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rate

WARREN & CO., Proprietors,

320 CLAY STREET, SAN FRANCISCO.

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill*" this we cannot do without Cash, or a special understanding before hand.

WARREN & CO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing place.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, June 12, 1879.

Money and Exchange Tables.

Exc. on England, new style, long and short	4 88 a 4 90
Gold, at par	— 1 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	8s 4d a 8s 9d
Value of Club Wheat in Liverpool	9s 1d a 9s 4d
Value of Wheat in New York, bushel	1 05 — 1 16
Brewers Barley in New York, bushel	80 — 1 00

MONEY AND EXCHANGE TABLES.

The money market in our city is more or less agitated by various reports of the changes that are meditated by large institutions, cause to take place by the new Constitution, as with banks so with other corporations, many of which will disincorporate, all this affects business and trade—and while money is very abundant it is hard to be obtained, this is proved by the sacrifices made on all property by forced sales.

The *Money Markets* of the world are now greatly agitated by the actions of "money kings" in Europe and in our own country - the immense purchases of U. St Bonds shows there is an abundance of money in all the marts of the world.

England France and Germany hold full coffers, and the United States Treasury holds as much as them all, as the U. Treasury has now approximating $500,000,000 under control, and this is the cause of the apathy of trade in many portions of our country.

France, Germany and England has an immense amount of treasure in their vaults, and estimated as under their control at one thousand million of dollars.

This drain of gold from the people to the vaults of "Uncle Sam" of course checks trade and business, and until a new move is made, and a circulation of this vast hoarded amount begins, business must be stagnant, and we cannot expect it otherwise.

The rates of money in all Europe are low, low in New York, here rates have advanced.

It is remarkable indeed the steady rise of United States 6 per cent bonds, soon they will reach 5 per cent premium.

GRAIN AND FLOUR MARKET.

The *Grain Market* has an apparent firmness, yet we think it is forced, as the appearances abroad indicate lower prices.

California grain markets are peculiar in their features, ships engaged must be loaded, or pay for lost days, and often a price is paid for grain, more than its real market value, and this we think is the case with our markets now, for there is ample stock now for all orders on hand in the loading of ships, and a good harvest outlook for the coming crops, we therefore feel that the firm prices are forced, and that prices will tend downward ere long.

The late rains has had a grand influence in filling out the heads of grain of all kinds, and the hot spell has rushed on the ripening process so we shall have new wheat in market very early.

There seems to be a lull in the bringing in the wheat, although the rates are firm at prices quoted.

Tonnage in shipping has fallen, and now it can be had at 40s. per ton, this should induce those who hold to ship all that can go—for surely there is no prospect abroad or at home for higher rates.

The *Barley market* has not materially changed, it is merely firm, but as new barley is now being harvested, and a very large crop in view, it would be well to get rid of the old crop as fast as possible—the markets abroad for our barley are not very good, and it is better to sell than to keep.

There is continued arrivals of *Oats* from the other territories outside, and supply liberal demand, only home wants trade small.

The *Market* for *Corn, Rye,* and *Buckwheat* are dull, corn comes in liberally, the other small, and demand for all these grains quite small.

The *market* for *Feed stuff* not materially changed, save *Oil Cake Meal*, that has been again altered, price now ruling $30 per ton with discount to the trade—*Bran, Middlings, Corn Meal, Ground Barley,* is less in price as noted below.

The *Hop market* continues *nil*, no demand, no sales, value nominal, some 500 bales received and stored.

The *Honey market* has good demand for the choice kind of white comb, not so much strained honey on market yet all at low figures, the time for high prices is gone by, as so much honey is now made, large shipments have been made to Europe, but complaints come back of admixtures which hurts our market for honey abroad.

The *Market* for *Potatoes* is a little over supplied and prices shade off—some choice kinds such as Early Rose are quicker of sale—a new crop of this species are on market and sell ready at $1 to $1.25 per cental, others lower—*Onions* from Chicago sold at $6, home, new crop, now and lower.

The *Bean market* is largely stocked at present, and low prices rule, the crop this year also will be large.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 45 — 1 50
do Choice do	1 60 — 1 62
do Milling do	1 62 — 1 70
Barley, per 100 lbs., feed	60 — 70
Barley, for brewing, (Chevalier)	80 — 83
Rye	65 — 90
Oats, California, per 100 lbs	1 50 — 1 [illegible]
Corn, do. do.	77½ — 80
Flour, Superfine, per bbl	4 00 — 4 25
do. Extra	4 25 — 4 50
Extra Flour for shipping	5 00 — 5 25
Very Extra Family Flour	5 25 — 5 75
Oregon Superfine	4 00 — 4 25
do. Extra for Shipping	4 75 — 5 25
Corn Meal per 100 lbs	2 00 2 25
Buckwheat per do	1 20 — 1 40
Bran per ton	13 50 —14 00
Middlings per ton	17 50 —18 00
Ground Barley	18 00 —19 00
Oil Cake Meal, for feed, per ton	—30 00
Beans, per 100 lbs, various	1 75 — 3 00
Beans, Lima	5 00 5 50
Potatoes, common	30 — 40
Potatoes, choice	75 — 1 00
Early Rose	1 00 1 25
Sweet Potatoes	—
Onions, new	75 — 1 00
Hay per ton, ordinary	8 50 9 00
Hay per ton, extra	11 50 —13 00
Wheat Hay	12 00 —13 00
Alfalfa Hay	
Straw per ton	4 00 5 00

Retail Prices in the Fruit Market.

The *Fruit Market* now fills up with a rush, the late rains followed up with a most unusual hot spell, so early, starts all fruits to ripening, so that now we have Strawberries Raspberries, Gooseberries, Currants, Blackberries and Cherries, all in great abundance, save Strawberries, and those having run out, their first crop now rest a little, when the second crop will follow with a rush.

Peaches and early Pears show in market and sell reasonably, the excess of fruit is soon taken up by our fruit packers so we do not have so much a glut of fruit as sometimes.

Oranges, Lemons, Limes, of California growth, are plenty and cheap, and foreign fruits of this kind are low—we have plenty Bananas, Pines, Cocoa Nuts and Nuts plenty, so our dessert tables can be fully supplied.

Apples, per box	75 — 1 00
do. do. lb	6 — 8
Pears, per box	75 — 1 00
" per lb	6 — 8
Figs, dried, per lb.	12 — 15
Tahiti Oranges, per doz	20 30
Lemons, imported, do	30 50
Limes, do. do.	20 25
Pine Apples, each	75 — 1 00
Bananas, per bunch	2 00 — 3 00
California Oranges, per dozen	10 — 40
" Lemons, "	30 40
" Limes, "	15 — 25
Cherries	10 — 25
Strawberries	5 — 10
Raspberries	12 — 15
Currants	8 10
Gooseberries	10 12
Persimmon	20 — 25
California Walnuts, per pound	8 — 12
Almonds, hard shell, per pound	12 — 15
do. soft shell, do.	16 — 18
Foreign Pecan Nuts	12 15
Madeira Nuts	15 20
Foreign Brazil Nuts	12 — 15
Filberts	7 — 10
Chili Walnuts	8 10
Pea Nuts	

Retail Price in the Vegetable Market.

The *Vegetable Display* is quite large, a very full showing, every species of vegetable are unusually fine, the late rains were a blessing to our vegetable gardens, for natural rains are ten times more effectual in pushing forward growth than any artificial means—as rains from the clouds are frost and pure, and they contain life material, while old standing water in tanks or sluices have lost much of the needed virtue of water, plants like pure water as well as man.

Asparagus	6 10
Artichokes, (French) per doz	16 — 20
Tomatoes, per lb	8 — 10
Beets, per doz	25
Broccoli, each	8 — 10
Cauliflower	8 10
Cabbage, do.	35
Carrots, per doz.	75 — 1 00
Celery do.	75
Celery Root per dozen	10 — 12
Cress, per dozen bunches	50 — 50
Cranberries, per gallon	30 — 40
Dried Herbs, per doz	4 — 5
Green Peas, per lb	12 — 15
Lettuce per doz. bunches	5 — 6
Onions per lb.	12 — 15
Horseradish, per lb	50
Okra, green, per lb	50
Okra, dried, per lb	1½ — 2
Choice Potatoes	2 3
New Potatoes	1 50 — 2 00
Potatoes choice, per 100 lbs	2 3
Kidney Potatoes, per lb	1½ — 2
Pumpkins	20
Parsnips, per doz. bunches	20
Salsify, do. do.	15 — 20
Parsley, do. do.	40 — 60
Pickles, per gallon	6 — 8
Radishes per doz. bunches	4 — 6
Rhubarb, per lb.	2 — 3
Squash, Marrowfat	2 — 3
do. Hubbard	3 10
Lima, Dry	6 — 8
String Beans, per lb	6 8
Spinage per lb	4 — 5
Salsify, per bunch	20
Turnips, per doz	8 10
Garlic	15 — 20
Eschalot	8 — 10
Mushrooms	

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea. Our salmon beat the World for this choice fish—some extra fish are now in market.

Salmon have been selling in our markets as low as 25 to 50cts. for a whole salmon, and in Oregon they use salmon to manure their orchards.

Salmon ₰ lb	4 — 6
do smoked new	10 — 12
do pickled, ₰ lb	6 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Halibut	20 — 25
Smelts, per lb	10
Perch do	10
Rockfish do	10
Codfish, dry, per lb	8
Herring, fresh, per lb	25
do smoked, ₰ doz	12
Tomcod, per lb	10
Sardines, fresh, per lb	25
Selefish, per lb	16 — 20
Mackerel pickled, each	25
Shrimps, per lb	8 — 10
Flounders do	12 — 15
Sea Bass do	20 — 25
Halibut do	40 — 50
Sturgeon do	2 — 4
Turbot do	30 — 40
Terrapin, ₰ doz	2 50 — 3 00
Pompono do	2 50
King Fish do	25
Anchovies do	12 — 15
Frogs, per doz	2 00 — 2 50

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market. Oysters are showing nice and fat and the public appetite now craves this delicious bivalve. Every day a grand show in our market—if you desire the choicest of these luxuries, go to Geo. Mayes in California Market.

Oysters ₰ 100 choice	60 — 75
Chesapeake oysters per dozen	50 — 75
Crab Fish, per lb	12 — 15
Clams per 100	50
Mussels do	25
Crabs, boiled, each	25
do. soft, per doz	50

Retail Meat Market.

The *Retail Meat market* furnishes all the choicest kinds at unusually low figures for this season of the year, and this is an unusual full market.

Porter House	16 — 18
Porter House, extra	18 — 20
Beef, tenderloin, per lb	15 — 18
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	5 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	10 — 12
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	10 — 12
Beef tongues, each	75
Pigs tongues, each	15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do do sugar cured	16 — 18
Hams, California	13 — 15
Choice hams, Duffield	15 — 18
Whitaker, St. Louis, Mo	15 — 18

Poultry and Game Market.

The *Poultry market* is well supplied and full up to the demand—yet prices remain steady as before.

RETAIL PRICES.

Ducks tame each	75 — 90
Geese tame, per pair	2 00 — 2 50
Broilers	40 — 50
Large Chickens, each	75 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	22 — 25
Pigeons, domestic, per doz	4 00 4 50
Hares each	25 — 33
Rabbits, tame, pair	50 75
do wild, per doz	1 75 — 2 00

Poultry and Game—Wholesale.

Broilers, per doz	3 00 — 5 00
Large Chickens, per doz	6 00 — 7 00
Hens, per doz	6 00 7 50
Turkeys, dressed, per lb	16 — 18
Ducks, tame, per doz	5 50 — 7 00
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 3 50
Rabbits, tame, per doz	1 50 1 75
Squirrels, per doz	75 1 00

Retail Dairy Market.

The *Dairy market* is filling up beyond the demand, and a large amount is being packed down, both here and in the country, with prices ruling low.

Butter, California, Extra Choice per lb	— 30
do. do. for (Cooking) do	20 — 22
do. do. packed best roll	22 — 25
do. do. Eastern	20 — 25
California Eggs, per doz	23 — 25
Oregon	— 20
Duck Eggs, do	— 25
Farmers Eggs, per doz	30
Cheese per lb	15 — 20
do. Sage, per lb	— 20
Eastern Cheese, do	20
Lard, California, per lb	16 — 18
Lard Eastern, do	— 15
Honey, Comb	12 — 15
do. Strained	8 12
Vermont Maple Sugar, per lb	20

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb. (Fresh)	21 — 23
do. Packed Roll, do.	18 20
Eastern Butter	15 — 18
Cheese, California, per lb	10 — 12
California Eggs, per doz	20 — 21
Eastern Eggs, per doz	18 — 19
Duck Eggs, "	15 — 20
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	12 — 13

Grain, Wool, Potato Bags, Etc.

The *Bags and Bagging Trade* is at a stand still, we guess there is an overstock, and of this we shall soon know—we do not think with the large stock of bags in the country, bags can go higher, and those who have bought to hold will soon loose their grip—and—we shall see. One thing is very certain the grain grower must buy his bags this year on the new tack—cash—even if it pinches—this is according to the new Constitution, and they must not grumble.

There has been an effort to sell a few million grain bags at auction, but only a few thousand sold, showing a hesitancy when large lots are still coming from abroad.

Messrs. Neville & Co., the extensive bag manufacturers, 35 California Street, can supply our farmers at the lowest rates and on best terms.

Hand Sewed Bags, Standard, 22x36 com. prices	9 — 9½cts.
Second Hand, Extra	8 — 8½ do
Machine Sewed, 22 x 36	8½ — 9 do
do. do 20 x 36	8½ do
Barley Bags, 22 x 40	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— 8½ do
Wool sacks, new	45 50 do
do. second hand	30 — 40 do
Potatoe Gunnies, Double Sewed	13 19½ do
do. Second Hand	10 10½ do
Flour Bags, quarters	4½ — 5 do
do halfs, dix qualities	7 9 do

Staple Home Products.

The *Home Products* of our State are telling upon our markets by a lessened importation, and we must keep our markets well supplied with the best raisins, figs, dried fruits, nuts, oranges, lemons, etc., we must grow and make the best, and supply all demands from abroad.

Flax Seed, per lb	2½ — 3
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	3 — 3½
Castor Oil No 1 Diamond in cases, per gallon	— 1 35
" " " barrels "	— 1 05
Castor Oil, No. 2 Diamond in cases per gallon	— 1 30
" " " barrels "	— 85
Linseed Oil, Boiled	— 80
do. Raw	— 78
Cocoa Oil	— 65
Hops, California	8 — 10½
Alfalfa	10 — 12½
Mustard Seed	3 — 3½
English do	4 — 5
Canary Seed	3½ — 4
Coriander Seed	8 — 10
Broom Corn	3 — 5
Bees Wax	24 — 28

California Leather Market Report.

The *market* for *Leather* has improved considerably with an export demand for it.

The *Hide* and *Tallow market* is however very dull, demand merely nominal.

California Sole Leather	29 30
do. Harness do	28 30
do. Skirtings	30 37½
Bridle Leather	44 65
Rough do. Oak Tanned	18 — 22
Waxed Calf Skins	50 1 00
do. Ripe do. per dozen	30 00 — 55 00
do Leather per foot	13 15

Wool, Tallow, Hides, Etc.

The *Wool market* is among the lively things in trade, the brisk demand from the East has caused large sales here at quite advanced rates, and all choice wools quick of sale at good figures, even 26, 28, and 30 cents, quite a speculation this with prospect of a continued good market, some 50,000 bales have been received since June, and 5,000,000 pounds sent abroad.

Wool, Spring Clip	18 20
do. Choice Extra	28 — 30
Fall Clip	16 — 18
Oregon Wool, per lb	25 — 31
Medium, bright	18 — 20
do. Burry	12 — 15
Goats' Wool (mohair)	30 — 75
Dry Hides, per lb	16 — 17
Green Salted, per lb	7 — 10
Deer Skins	60 — 1 00
Sheep Skins, wool on	25 — 75
do. do. plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	5½ — 6
Tallow, refined	7½ 9

Average Slaughtering Prices.

The *Wholesale Meat Market* is abundantly supplied—but at low prices—the abundance of feed gives good meats, and at cheap rates.

Beef, American, 1st. quality	6 — 7 cts
do. do. 2d. do.	4 — 6 do.
do. do do.	3½ — 4 do.
Veal	6 — 8 do
Mutton	4 — 4½do
Lamb	5 — 6 do
Pork, Undressed	3½ — 4½do
do. Dressed	5 — 6 do

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED ACCOMMODATIONS for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU June 9th, and every fourth week thereafter

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports; also, HAVANA and all WEST INDIES ports on 5th and 20th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

47:6

Central Pacific Railroad.

Notice to Shippers.

Please take notice that this Company will maintain, for transaction of business in Oakland, TWO STATIONS, viz

MARKET STREET AND SIXTEENTH STREET

and to avoid delays we would request shippers to state on receipt, name of station to which freight should be delivered; as in the absence of same all consignments will be taken to Market Street.

J. A. ANTHONY,
SAN FRANCISCO, Jan. 13, 13, 1879. Agent.

THE

"ORMSBY,"

CARSON CITY,

NEVADA.

FIRST-CLASS IN EVERY RESPECT.

HEADQUARTERS FOR ALL STAGE LINES OUT OF CARSON CITY, AND FOR LAKE TAHOE TRAVEL.

John T. Pantlind, Proprietor.

47:7

AUZERAIS HOUSE,

SANTA CLARA STREET, SAN JOSE.

S. W. CHURCHILL, Proprietor.

Auzerais House Coach and Carriages always in Attendance on arrival of trains.

C. P. R. R

COMMENCING

SUNDAY, JUNE 6th, 1876,

AND UNTIL FURTHER NOTICE

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma.
(Arrive 8:55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, Colfax, Reno, Ogden and Omaha. Connects at Niles with [illegible] arriving at San Jose, 12:35 P. M.
(Arrive 5:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma.
(Arrive 5:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations.
(Arrive 9:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Caliente and Los Angeles. Also at Niles with Train arriving at San Jose 6:55 P. M.
(Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento.
(Arrive 12:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily.
(Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND

"Daily" 7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M., 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.
"Daily, except Sundays"—6:10 A. M. and 12:45 P. M.
"Sundays only"—10:30 and 11:30 A. M.; 12:40 and 4:40 P. M.

FROM SAN FRANCISCO TO ALAMEDA

"Daily"—7:00, 8:00, 9:00, 10:00, A. M., 1:00, 2:00, 4:00 5:00 6:00 and 10:30 P. M.
"Sundays only" 11:00 A. M., and 1:20 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M., 3:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—7:30, 8:30 and 9:30 A. M., 1:00, 2:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.
"Daily, except Sunday" 6:30, 11:00 A. M. and 11:45
"Sundays only"—10:30, 11:30 A. M. and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 and 10:10 P. M.
"Daily, except Sundays"—5:10 and 5:50.
"Sundays only"—11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:03 and 9:00 A. M.; 3:00, 3:58, 5:00, 6:08 and 7:00 P. M.
"Daily, except Sundays"—5:00, 5:40, 11:30, A. M., and 1:30 P. M.
"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays" 6:55, 8:00 and 11:05 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M.; 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:30, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.
"Daily, except Sundays"—6:20 A. M. and 1:50 P. M.
"Sundays only" 10:20 and 11:20 A. M.; 12:20, 1:20 and 1:35 P. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION

SUMMER ARRANGEMENT.

Commencing Monday, April 21, 1879,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows:

8.20 A. M., *Daily* for San Jose and Way Stations. ☞ Stages for Pescadero (via San Mateo) connect with this train only.

9.30 A. M. *Sundays only* for San Jose and Way Stations. Returning, leaves San Jose at 6 P. M.

10.40 A. M. *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Salinas, Soledad, and all Way Stations.
☞ AT PAJARO the SANTA CRUZ, R. R. connects with this train for Aptos and Santa Cruz. At Salinas the M. & S. V. R. R. connects with this train for Monterey. ☞ Stage connections made with this train. (Pescadero Stages via Sanmateo excepted.)

Parlor Car Attached to this Car.

(SEATS AT REDUCED RATES.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, Pajaro, Hollister, Tres Pinos and principal Way Stations.
☞ On SATURDAYS only, commencing May 10th, the Santa Cruz R. R. will connect with this train at PAJARO for Aptos, Soquel and Santa Cruz. RETURNING, passengers leave Santa Cruz about 4:30 A. M. Mondays (breakfast at Gilroy), arriving at San Francisco at 10:00 A. M.
☞ SPECIAL NOTICE—On SATURDAYS ONLY, commencing May 10th, the run of this train will be extended to SALINAS, connecting with the M. and S. V. R. R. for MONTEREY. Returning leaves Monterey MONDAYS (breakfast at Gilroy), arriving at San Francisco at 10:00 A. M.

3.30 P. M. *Sundays only* for San Jose and Way Stations.

4.25 P. M. *Daily Sundays excepted* for San Jose and Way Stations.

5.00 P. M. *Daily Sundays excepted* for Menlo Park and Way Stations.

6.30 P. M. *Daily* for Menlo Park and Way Stations.

Excursion Tickets at Reduced Rates

To San Jose and intermediate points, sold on Saturdays, and Sunday morning, good for return until following Monday inclusive, as follows:

Baden	$0 50	Fair Oaks	$1 50
San Bruno	0 50	Menlo Park	1 00
Millbrae	0 65	Mayfield	1 75
Oak Grove	0 90	Mountain View	2 00
San Mateo	1 10	Lawrences	2 25
Belmont	1 25	Santa Clara	2 50
Redwood	1 40	San Jose	2 50

Also, EXCURSION TICKETS to Aptos, Soquel, Santa Cruz and Monterey, sold on Saturdays only—good for return until the following Monday inclusive.

SECOND-CLASS FARE.

Between San Francisco and San Jose, - - $1.00

☞ A car with Sleeping Accommodations, constructed expressly for this travel is attached to Freight Trains, leaving *San Francisco* at 4:00 A. M., and *San Jose* at 8:30 P. M (daily Sundays excepted).

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Ticket Agent

SOUTHERN DIVISIONS.

☞ Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 4:00 P. M. daily, and making close connection at GOSHEN for Sumner, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton, Colorado River and MARICOPA. (156 miles east from Yuma.)

25 NEW YEAR CARDS, with name, 20c. 25 Extra Mixed, 10c Geo. I. Reed & Co., Nassau, N. Y. 47:1y

1854. | 1879.

THE

CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FIFTH year with 1878, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD of the AGRICULTURAL and HORTICULTURAL interests of enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on the Coast—this was at Sacramento in the year of 1854, and also the GRAND FAIR at San Francisco in 1853—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

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THE

California Farmer

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CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, JUNE 26, 1879. NO. 12.

THE GREAT PLOW MANUFACTORY.

DEERE AND COMPANY,

MOLINE, ILLINOIS, U. S. A.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

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This wonderful new compound which has excited so much wonder and admiration, and which is so valuable as an Analine Dye, has been received by us and will be offered for sale by us at early day. We can show it as illustration of its magic power—a single grain will color 350 gallons of water. For sale at

FARMER OFFICE.

OUR ILLUSTRATION.

We present our readers in the illustration above, one of the grandest and most extensive "Hives of Industry" in our whole country. It is indeed a little WORLD of itself, and when the great number of skilled workmen that are here employed, together with the vast amount of the the raw material that is annually consumed, and the immense number of finished implements that are sent out all over our country and also to Europe and elsewhere shall be duly considered, it may with truth be said it is indeed a GRAND MANUFACTORY.

To do full justice to such an extensive manufactory as the one presented above, would require of us many more columns than our JOURNAL will allow—we, therefore, must condense the many interesting facts we have collected, and present them in our brief space; as it will be seen the splendid manufactory speaks to all eyes for itself.

In the buildings pictured above, there are constantly employed SIX HUNDRED AND FIFTY WORKMEN, and to keep these all employed the following material is annually consumed:—

Hardwood lumber	1,500,000 feet.
Wrought bar iron	2,200 tons.
Cast steel	800 tons.
Malleable iron	300 tons.
Additional, sorts	1,000 tons.

In order to work up this vast amount of hard material, there is consumed annually:—

Anthracite coal	1,200 tons.
Bituminous coal	2,000 tons.
Blossbury coal	700 tons.

Here is consumed 750 tons per week, or 125 tons per day, this fact alone shows the magnitude of this establishment.

But where is the power to consume these thousands of tons of coal, and transform the vast amount of steel and iron into the beautiful polished plows that are scattered over the world from these works, numbering nearly 200,000 every year! This power is found in four mighty water wheels of 50 horse power each, and also one superior and highly finished engine of 300 horse power. These are the motive powers that turn the shafts and make belts and bands to move.

That cold, dull iron and steel are changed into polished plows at the rate of 500 plows per day.

To sketch the rise and progress of this world renowned manufactory, we compile the annexed reliable data:—

"A few facts in relation to the Steel Plow Works of Deere & Company—the oldest in the United States, and said to be the largest in the world—must be of interest to the farmers in this country.

The senior member of the present Company commenced building plows in 1837, and established the present works in 1847. The alluvial soil of the Mississippi River Valley, and all the vast extent of country drained by its tributaries, requires plows to be made of the most perfect model. This necessity has been the mother of invention in America of a better class of plows than can be found in any other country; and the John Deere plows have thus acquired a world-wide celebrity.

It may seem strange to one unacquainted with the facts that plows should be exported from youthful America to ancient Europe; yet such is the fact. The United States is eminently an agricultural country. The natural richness of its prairie lands, their freedom from obstructions of any kind, and the ease of tilling and gathering crops, enable the farmer to raise grain by the use machinery with less labor and expense than can be done in any other country. To supply this large and ever-increasing demand for plows and cultivators of the various sizes and kinds best adapted to answer these requirements, has stimulated the invention of machinery for producing uniformity of parts, and to cheapen the cost far below what it is where manual labor is principally employed. The employment of six hundred and fifty men, aided by special machinery, enables them to build and finish five hundred plows and cultivators per day, and to excel in quality and compete in prices in distant markets where manual labor is principally depended upon in their production.

They invite all who are interested to an examination of specimens of their plows and cultivators on exhibition at their manufactory and at their agencies over the country, and to a correspondence with them at their works."

In justice to the John Deere Moline Company, or as we would say the true Deere Moline Plows, they have been exhibited in all parts of the United States, and all over Europe, upon the islands of the sea, South America, and wherever there are farmers to break the soil, there these plows are known and are appreciated—every State Fair in our country have given them the highest award. They won the FIRST PRIZE at the PARIS EXPOSITION in 1868, at the VIENNA EXPOSITION in 1873, and at the PARIS EXPOSITION in 1878, in the great field Trial of Plows.

The John Deere Moline plows have won a name and fame of which any manufactory may well be proud, and although there are many manufactories which turn out most excellent plows and of splendid workmanship, there are tens of thousands of noble plowmen that grasp the handles of the plows pictured in our coulumns from this manufactory, and hold them in *Deere* and lasting remembrance.

We are pleased to say in closing our sketch that the demand for these plows from Australia has been so urgent that a large invoice of them are now on the way to Sydney for the GRAND EXPOSITION which opens there on the FIRST OF SEPTEMBER next, and there too, as at PARIS and VIENNA we feel assured these splendid plows will win deserved HONOR.

NEW MANUFACTURERS ASSOCIATION.

KENNEDY'S SHEEP DIP.

During the recent visit of S. H. Kennedy, Esq., of Omaha, the originator of the popular SHEEP DIP known as "Kennedy's Sheep Dip" a new Company has been organized for the manufacture of this Dip.

The Head Quarters will be at OMAHA, NEBRASKA, the residence of Mr. Kennedy, the PRESIDENT of the Association.

The capital of the Company has been fixed at ONE HUNDRED THOUSAND DOLLARS, and with an active Board of Directors at various points in the United State, who will introduce this Dip to the SHEEP RAISERS all over the country.

The following are the officers of the Company:
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Col. Warren, Editor CALIFORNIA FARMER and Corresponding Secretary, San Francisco.

Wagon Making.

One thousand Wagons a month are made at the great Factory of Fish Brothers & Co., at Racine, Wisconsin.

Who cannot have a ride, this is one of the largest Manufactories in our Country, their Wagons are known the world over—they are now shipping largely to Australia, as the fame of these Wagons are well known there.

G. A. Davis, 327 Market St. is the Agent of this Company.

Wisely insure at the New Zealand Insurance Co.'s office, 307 California Street.

AUSTRALIA.

Editors, strangers and citizens from the Eastern, the Middle, or Southern States, also Editors over our own Coast who may desire to see or refer to their own Journals, or any Agricultural or Horticultural Journals, will always find them on file in the FARMER READING ROOM, to which they are always bid welcome.

ONE HUNDRED of the leading Journals and Magazines of this class, the best in the United States, are in this collection, giving to those in search of Agricultural knowledge the best Information on this Coast.

A Large Library also, for *General Reference.*

Australia and California

We have full files of Australian Papers from all parts of Australia, showing the great interest they take in this Country, one thing of great moment, is the "Steamship Line," it is of vital importance to the welfare of the Colonies, and so vastly important to the Pacific Coast in the great trade that can be built up between the Colonies and California, if our Merchants do their duty.

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The Sydney Morning Herald, Sydney.
" *Town and Country*, Sporting Paper, Sydney
" *Australasian*, Melbourne.
" *Weekly Times*, "
" *Adelaide Observer*, Adelaide.
" *Queenslander*, Brisbane, Queensland.
" *Week*, " "
" *Capricornian*, Buckhampton, Queensland.
" *Port Dennison Times*, Port Dennison.
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Many of these Journals are of the largest size, from 20 to 38 pages, several, splendidly illustrated with views of the Public Buildings, Landscapes, Public Men, Stock, etc.

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We Invite all our readers and our citizens especially who are interested in our MANUFACTURES and the MECHANIC ARTS, and our AGRICULTURE, to visit the FARMER Office and see the RICH PRODUCTS brought from QUEENSLAND by the Commissioner, they are now on Exhibition open to all, in the READING ROOM and MUSEUM of the CALIFORNIA FARMER OFFICE.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have grain to sell and to keep.

THE MOWING.

A. D. M. BYERS.

The clock has struck six,
And the morning is fair
While the east in red splendor is glowing;
There's a dew on the grass, and a song in the air—
Let us up and be off to the mowing.

Would'st know why I wait
Ere the sunlight has crept
O'er the fields where the daisies are growing?
Why all night I've kept my own vigils, nor slept?
'Tis to-day is the day of the mowing.

This day and this hour
Maud has promised to tell
What the blush on her cheek was half showing.
If she waits at the lane, I'm to know all is well,
And there'll be a good time at the mowing.

Maud's mother has said,
And I'll never deny,
That a girl's heart there can be no knowing.
Oh, I care not to live, and I rather would die,
If Maud does not come to the mowing.

What is it I see?
'Tis a sheen of brown hair
In the lane where the poppies are blowing.
Thank God! it is Maud—she is waiting me there,
And there'll be a good time at the mowing.

Six years have passed by,
And I freely declare
That I scarcely have noticed their going;
Sweet Maud is my wife, with her sheen of brown hair,
And we had a good time at the mowing.

—*Harper's Magazine for July.*

HOW WE SAVED THE OLD FARM.

CHAPTER IX.

The next week the corn was finished, and the third calf was changed at the squire's, the money to pay for the pigs having been carried over to the squire's at the same time. When Clarence came back he brought a load of currant and gooseberry bushes, and blackberry and raspberry bushes, and strawberry vines, and even a few quince roots to be set at the lower end of the garden lot, all of which the squire had given him, which not only filled all the space which had been left for them, but encroached upon the rest of the garden. Many of the strawberry vines were set among the other stuff that was planted, avoiding carefully the hills where the other things were. As Jake said, "They wouldn't do any more hurt than so many weeds, and if folks hoe among stuff and don't kill weeds, I guess you can hoe your stuff and not kill the vines; and though I wouldn't give a cent for any of them but the currants, which are mighty good and wholesome, 'cause I can find blackberries enough in the woods, and the strawberries, too, though I don't think no great of them, but had rather have huckleberries; yet I know women mostly likes them, and if Miss Alice don't eat them all up they will sell fast enough."

But Clarence had another strange story to tell. The squire had advised him not to pay the money for the pigs, but to take it and enough more of the pig-money and buy a ton of some patent fertilizer, a sort of superphosphate that he had tried and liked, plough up the fore-acre lot back of the barn, which didn't bear much grass and put corn on half of it—not field-corn such as he had been planting, but corn sowed in rows about as thick as it could grow, for the sake of the fodder, which, the squire said, could be fed to the cows green when the pasture got poor, or kept to cure and feed during the winter, if it was not needed before. And then, in June, ruta-baga turnips could be put on about another acre, and some of them could be sold for a good price in Blackington, no doubt, while what were not sold would be best possible feed for the cows and calves and sheep during the winter. And having learned the amount of cabbage-seed that had been sowed in the garden, he advised also setting cabbages, as far as he had plants for, at the lower end of it; while the turnips, being sowed last, would fill the space between the corn and cabbage. It seemed like a desperate venture to my mother to pay fifty-five dollars for manure for the sake of raising crops of which she knew nothing; but Clarence was manager now, she said, and if he and the squire thought best, and he thought he could take care of so much, she had no objections to make. He had had such good luck with his pigs and was doing so well with his chickens, that she felt as if the money was his. And Clarence sent for the manure and the turnip-seed and began ploughing the field. He also decided not to fatten his old hogs that summer, but to raise more pigs in the fall. And so the work went bravely on.

I have lingered over the tale of these early days, for they are vividly impressed upon my mind. I was so deeply interested in every move that was made, and so proud of all that promised to be successful about them, that I think I shall never forget any of them, and, girl though I was, I was glad to help about them. When at home from school, morning or evening or on a holiday, I was sure to be out at work with my brothers, if I was not absolutely needed in the house, and if I had any duties in the house I hurried to perform them, that I might get out. Eliza Giles had made one or two calls upon mother to obtain information about her work, which she found a little difficult, especially the making of garments for herself and the children and shirts for Bill, he having obtained a steady job at his trade, by which he was able again to purchase material for her to work upon; and as she had learned to sew a seam decently, they were better clad than when I first made their acquaintance, and if she still kept her cheap jewelry she did not wear it when she came to see mother. Bill was at home a few days in July and came up to see if he could be of any assistance. Clarence was haying then, with Jake to help him. Bill could not handle a scythe, but he could help take care of the hay, and he also found time to trim the old apple trees around the house. Jake's assistance had not been needed between the time of the corn planting and setting out the small fruits until haying. The boys had done the hoeing alone, or rather with the help of the horse, for Clarence went over it all with the horse and plough nearly once a week, which made the labor of hand hoeing very light. The cabbages the boys had transplanted at odd jobs in rainy days and at morning and evening when it did not seem too hot for them to live, and if I was as astonished at the ground which it took to plant the seed on, I was more so at the number of plants which they produced. There was over an acre of them, numbering more than five thousand plants. There was also a little more than an acre of turnips, and the rest in sowed corn. The fourth and last calf had come and been changed in June, and the four calves and two lambs were doing finely. They had long since learned to drink their milk without warming much, and the three oldest would not refuse it even if slightly sour. We had four cows to make butter from, and were making a fine lot of it, which was readily purchased at the store at the Corners for twenty-five cents a pound, and after the heifer calved, which was early in June (the calf which we got for hers was a week old, and was put on skimmed milk the third day after we got it home), we made about forty pounds a week. But we had good cows, and they had good feed and good care. The hens had laid eggs enough to keep us in our little supply of flour and sugar and molasses and tea, which was about all we needed at the store, and mother rejoiced at the rapidity with which the balance to her credit was gaining at the store. It almost reconciled her to spending of the money which had been spent for the superphosphate. But in June an event happened which gave us all much pleasure. One day a man knocked at the door and inquired if Mrs. Reynolds lived there. Being informed that that was the place and the person, he said,—

"My business is buying up live fowls and chickens, which I dress and send to Boston, and Bill Giles told me he thought I could get some here."

"You can see my son; he is in that field hoeing and he has charge of the fowls," said mother.

We soon saw Clarence going to the hen-house with him, and, after a short time, they came down loaded with chickens, which were weighed and put in the wagon, and Clarence came in with a handful of money, which he put in mother's lap, saying,—

"He bought fifty of the largest chickens at a dollar apiece, and paid for them, and he is coming every week or two after more, and will pay all they are worth, he says. Just think of that! and I have got now over four hundred left. I shall not sell any more of my early pullets, as the price will soon be down, and I mean to keep about a hundred hens next winter, and as many at the old hen-house as we had there last winter, and shall sell off the old hens down there. The man says the time to sell the old hens will be when they lay their litters out and want to sit again. Then they will be fat and heavy."

"Do as you think best about it, my son, for I begin to think you know better than I do. But I would like to have you go over now and pay the squire for his hogs, and have that settled," which was done one evening after work, for the day time was precious."

The haying was finished early in July and the hoeing and weeding took up much time after that. It seemed to me that I never saw things grow so rapidly. The little garden had yielded bountifully, giving peas and beans and corn and other vegetables, some of which appeared on our table every day, to the manifest saving of flour and meat, and we had also been able to contribute from our abundance to the tables of Mrs. Giles and other neighbors, who had not such gardens as we had, though many of them might have had if they would have planted it, but they had not time or manure to spare from the corn and potatoes. Clarence said that he had little relish for giving to such people; but we had a plenty, and there was no sale for it unless it was carried to Blackington, and we thought the time to go there and sell it was worth as much as it would sell for. The man who bought the chickens did buy some things from the garden almost every time he came round, to take home for his own use, paying for it the prices which he said he would have had to pay at home, which made Clarence think that it might be well to plant more such garden stuff another year and try to sell it himself in Blackington.

Perhaps you have wondered ere this if we had no neighbors but Jake and the Giles family. Indeed, we had plenty, and some of them very kind, too, but thus far they had nothing to do with my story, and I have preferred to present only those who were absolutely necessary to a fair relation of the events which so closely followed one another in this, to us at least, eventful year. Our nearest neighbor was also our relative,—Uncle Thomas Reynolds; but we saw but little of him, and heard but little from him when we saw him, or when we did not. He was one of those unfortunate men, who are, I believe, most rare among New England farmers, a hen-pecked husband, whose greatest misfortune was having a very smart wife. He had a better farm than ours, or at least better land and buildings, which had not been built near as long as ours, and he worked hard all summer cultivating his land, much in the same way that our father had cultivated his farm while living,—making a little manure go a great ways and a great deal of work produce only small crops. In the winter he made a few boots for Blackington people and done little jobs at cobbling for the neighbors, working early and late at all seasons, but in the slow, spiritless manner of a tired and discouraged man. His wife was a very prudent, saving sort of woman, who worked hard herself, as it would seem, from sheer restlessness and inability to keep still, and drove every one else to work too, with a merciless energy that knew no tiring. But with all this they were not properous. There was always an unbalanced account at the store, and the mortgage upon the farm, which had been put on when the buildings were built, was no smaller than it had been ten years ago; nay, it was larger, for the interest had not been paid for some years. It was a mystery to many people why Uncle Thomas did not get along better, as busily as he worked, and as prudent, yes more than prudent, stingy as was his wife. It was many years before I knew why it was; but I may as well tell it now. It was not owing to his bad habits, for he had none, unless the indulgence in very small crumbs of tobacco daily could be counted as such; nor was it mismanagement of the farm on his part or household extravagance on hers (that could never be charged upon her), and many who managed their farms no better than Uncle Thomas still accumulated slowly. But every cent of money that Aunt Cynthia could get hold of (and she managed to get hold of many during the year) was carefully hoarded and was never seen again in that household. She was actually robbing her husband, keeping him at work under a load of debt all the time and denying herself and the family all the comforts of life, for the sake of hoarding away money.

[CONTINUED IN OUR NEXT.]

BREEDING OF POULTRY.

[The *Montreal Illustrated Journal of Agriculture* gives the following good counsel to poultry raisers, to which we call attention.—ED. F.]

There is a great difference in the plans used by poultry breeders, even when they desire to do the the best they can for the comfort and well being of their fowls.

They are inexperienced and often fail in producing the desired results, such failures arising partly from badly constructed shelter, allowing the fowls to forage for themselves anywhere and everywhere in all kinds of weather. Some claim that to allow birds to rough it keeps them in the best health, makes them hardy, and in fact is the most natural for them.

Carelessness in the little details necessary to good management, such as the waste of food, feeding irregularly, unguarding them from exposure, is often the cause of the bad and unprofitable results experienced by those just starting in the business.

To be a good breeder is to be one who is willing in part, at least, to give back an equivalent for what he receives from his properly tended and kindly treated stock. No man should keep on his premises, any animal which he is not disposed to care for properly, either by attending to it himself, or having it attended to by some one competent and faithful, and particularly in the care of fowls and chickens, as they being unable to care for themselves, need to be provided for.

The more care and attention is given to keep them in good appearance and health, the more uniformly they are fed and watered, and the more cleanly they are kept in well lighted and ventilated quarters, the better returns they will make up for such attention.

The last course of treatment will ensure successful breeding, and we hope, no intelligent man will keep more stock than he can attend to unless he desires to be out of pocket; a sure way to become disappointed and disgusted with poultry breeding.

To become a successful breeder requires time, care, thought, and study, as well as practice, and now is the time for our readers, who have not already done so, to begin. Select some good fowls of any breed which you may fancy, of pure blood, and start with one kind only, until you have learned their habits and how to manage them; have patience to learn well, you will be amply repaid for your trouble; and starting upon a good foundation will be able to compete with those who have already been long in the business.

FATTENING SHEEP FOR MARKET.

This winter it is a question with the young shepherd and with many who own small flocks of sheep, whether it will pay to fatten some of their flocks to add to glutted meat markets. In view of the low price of hogs in many parts of the country, many suppose the demand for fat sheep will be light and prices consequently low. Undoubtedly this supposition is in a great measure correct, yet in my opinion it will pay to feed a few sheep well so as to have them in first-class condition for market by the last of February or early in March. About that time there is always a fair demand for well-fattened, winter fed sheep. When the prices are high, it never pays to send a half fat animal to market, and it certainly must be a losing business to sell poorly fed stock, when prices rule low.

This winter the best sheep only should be selected for fattening; all the others should be retained for wool growing until better figures can be obtained for the live-weights of stock sheep. Those picked out for the butcher should be fed generously and regularly, and upon this point too much stress cannot be laid. Care should be taken, however, to give the sheep only just enough for one meal at each feeding time. If they are given abundance of hay, they soon learn to be particular in selecting the best part only, and if there is not enough of this at one feeding time, they will wait half hungry for the next. My own experience agrees with that of most successful sheep owners that fattening animals should be fed three times a day; though some of my neighbors think twice often enough. It is also very important that the sheep should not be allowed to suffer from want of water; neither should they lack a supply of salt; for although salt is not so necessary to them in the winter as in the summer, they will thrive better if it is fed them at least once a week at all seasons.

[These are the views of the *Rural New-Yorker*, and they are sound.—ED. F.]

The wise man who writeth to newspapers for information for his own behoof, encloseth a postage stamp for repay, and is informed; but the fool discerneth not the value of a government adhesive plaster, and remaineth in darkness.

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An Iron-Gray Stallion, 6 years old, 16 hands high, weight 1200 pounds; untrained, can trot close to 2:40; sound, kind and gentle; "Messenger" stock.

—ALSO—

A Black Stallion, "John Wallace," sired by "England Glory," and from an imported Normandy mare of 6 years old, 17½ hands high, 1750 pounds; coal black flowing mane and tail. He won great merit last year by a set of the finest colts of this blood.

—ALSO—

One Black Stallion, 5 years old, 16 hands high, weight 1250 pounds; has a record of 2:38; sound, kind and gentle.

Can be seen at Bulls Head Stables, Corner of Market and 9th Streets.

49:1 JNO. RODGERS & CO.

HUNTINGTON, HOPKINS & CO.

IMPORTERS OF

Hardware, Iron, Steel, Coal, Powder, Fuse,

Belting, Hose, Rope, Etc.,

Milling, Mining, Building Material

—AND—

RAILWAY SUPPLIES.

Cor. Market and Bush Streets,

SAN FRANCISCO.

No. 52, 54, 56, 58 K Street,

SACRAMENTO.

N. ASHTON & SON'S

Liverpool Fine Salt.

IN UNIVERLAL USE THROUGHOUT THE EASTERN and Western States, and acknowledged far superior to any other brand of factory filled salt.

Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March:

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory-filled salt, therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $12, for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams; and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"

For sale by

WILLIAMS, BLANCHARD & CO.,

218 CALIFORNIA STREET,

48 10 Sole Agents for Pacific Coast.

J. M. NEVILLE. O. H. BRYANT.

NEVILLE & CO.,

Bag, Tent and Hose Factory

33 CALIFORNIA STREET,

South-East Corner of Davis Street,

San Francisco,

[Removed from their old place, 113 Clay Street, to their new and enlarged accommodations.]

IMPORTERS, MANUFACTURERS, AND DEALERS IN ALL KINDS OF

Bags, Burlaps, Duck,

Canvas and Cottons.

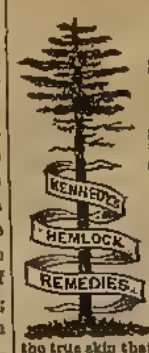
SCAB AND TICKS

IN SHEEP.

S. H. KENNEDY'S

NON POISONOUS

SHEEP DIP!



Manufactured by

S. H KENNEDY, Omaha, Nebraska, eradicates the pest. This is the only dip that adds to the staple and value of the wool. It will cure the most obstinate cases—diluted 150 parts hot water, and will not cost A CENT A HEAD each dipping. Packed in ONE and FIVE GALLON TIN CANS.

Dip Scabby Sheep in the Early Spring and Summer as that is the time to eradicate the disease from the skin. Fall and Winter dipping will not cure the Scab, it only holds the disease in check. In the Fall and Winter months, the insect that causes the Scab is forcing his way so deep into the true skin that he cannot be reached or destroyed, while in the early Spring the insect comes to the surface of the skin and is easily eradicated by one or two dippings in my Sheep Dip.

Price per Gallon:

TOBACCO DIP..... $2 75
HEMLOCK DIP..... 2 25
NON-POISONOUS DIP..... 2 25

BOOK SENT FREE TO SHEEP GROWERS,

Address,

S. H. KENNEDY,
OMAHA, NEBRASKA.

49:1

VALUABLE

FARMS FOR SALE.

Valuable Farms in the sunny lands of San Diego County

Those families who desire to leave the cold wintry region of the north and come to a better climate—are invited to the following Farms we offer at good bargains:—

One Farm of 1,500 acres, undivided, can have a great chance to buy this Farm.

One of 320 acres, of rich land of the very best soil, running water, and generally low land, capable of growing any crop wanted, a portion fenced, with fruit trees and vines now bearing.

One Farm of 160 acres of most excellent soil, capable o raising all Tropical Fruits in the greatest luxuriance.

All these Farms are in the Bee-region—and suitable for this interest—all sold on easy terms. For particulars address

STEINER, KLAUBER & CO.,

San Diego City, Cal. 49 2

Or CALIFORNIA FARMER Office, 320 Clay Street.

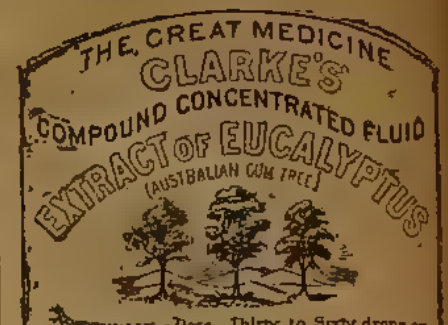
Newspapers for Packing

A LARGE lot of good country newspapers in good order for packing up goods, can be had at reasonable rates, in lots of *One to Five Thousand*.

For Sale at FARMER OFFICE,

320 Clay St., San Francisco.

The Great Medicine!!



INTERNALLY—*Dose*. Thirty to Sixty drops on lump sugar.
EXTERNALLY—Use as a Liniment.
FOR DIRECTIONS—SEE WRAPPER
SOLE MANUFACTURER
DAVID CLARKE, CHEMIST,
WARWICK.
To prevent fraud each genuine bottle is signed
Price 2s 6d. *David Clarke*

We have appointed for the sale of this Medicine advertised our columns the following

AGENTS:

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APOTHECARY AND DRUGGIST,
GEN'L AGENT FOR STATE OF NEVADA.

H. BOWMAN,
APOTHECARY AND DRUGGIST,
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RHODES & CO.,
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JOHN WOLFE,
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GODBE, PITTS & CO.,
DRUGGISTS,
SALT LAKE CITY, UTAH.

J. WIDNEY,
MERCHANT
SANTA CLARA.

The Remarkable Cures which have been effected by these Remedials, known as CLARKE'S EUCALYPTUS REMEDIES from Australia, have, and are exciting a great influence among all those who have long been sufferers by those terrible sources of suffering, RHEUMATISM, NEURALGIA, DYSPEPSIA, and FEVER AND AGUE.

These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.

Be sure you ask your Apothecary for the true Medicine DAVID CLARKE'S EUCALYPTUS PREPARATION The only Genuine article

WARREN & CO.,

SOLE AGENTS FOR THE UNITED STATES

LAND PLASTER.

THE GREAT FERTILIZER.

This most excellent material for all Clovers and Grasses can now be had of the undersigned at the low price of

$12.50 per Ton.

Also—Building Plaster, Casting Plaster, and Terra Alba

For Sale by

LUCAS & COMPANY,
215 and 217 MAIN STREET,
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Vermont Merino Sheep Breeders' Association

First Vol. Register, 395 pages, 22 plates, substantial leather binding, contains history of importation and improvement of Merino Sheep, registry and pedigrees of 572 stock rams, with pedigree and history of over 200 flocks, pure bred, improved Spanish Merino Sheep. Sent postpaid on receipt of $2.00. ALBERT CHAPMAN, Sec., Middlebury Vt.

A Pamphlet Free.

THE MURRAY HILL PUBLISHING COMPANY, 129 East 28th St., New York City, will send by mail a large pamphlet entitled EVIDENCES OF DOCTOR FOOTE'S SUCCESS as a writer and practitioner of medicine, and a catalogue of all their publications—reading enough for several weeks—if you will but enclose one letter stamp to their address.

PATENTS

In connection with the publication of the *Scientific American*, we continue to act as Solicitors for Patents, Caveats, Trade-Marks, Copyrights, etc., for the United States, Canada, Cuba, England, France, Germany, etc. In this line of business we have had *thirty-three years' experience*.

Patents obtained through us are noticed in the *Scientific American*. This large and splendidly illustrated weekly paper shows the current progress of Science, is very interesting, and has an enormous circulation. Subscriptions $3.20 a year, postpaid; single copies 10 cents. Sold at all Book-stores and News-offices.

Can I Obtain a Patent? The quickest and best way to obtain a satisfactory answer, without expense, is to write to us (MUNN & Co.), describing the invention, with a small sketch. All we need is to put the case. We will immediately answer, and give the necessary instructions. For this advice we make no charge.

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Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

WHAT GARDEN HAVE YOU?

The best paying plot on any farm, and the one yielding the most enjoyment, too, is the Vegetable Garden—or "Kitchen Garden," as it is frequently called, and quite appropriately, especially when the "Kitchen folks" have the chief or sole care of it. A good supply of garden products for the table costs less than the standard bread, meat, and potatoes, is more healthful and nourishing than all corn beef, salt pork, and the small assortment usually found on the farmer's table. Need we add anything about palatableness, comfort, home-enjoyment? Contrast a table set nearly the year round with bread, salt pork, corned beef, potatoes, boiled cabbage, varied with hash, mush, buckwheats, and occasionally a few other items, with a table well supplied in succession and abundantly with Asparagus, Green Peas, Lima Beans, String Beans, Sweet Corn, Radishes, Carrots, Beets, Parsnips, Celery, Salsify, Turnips, Cauliflower, Spinach, Lettuce, Egg Plants, Tomatoes, (all the year), Rhubarb, Okra, Squashes, Onions, Cabbage, Cucumbers (?), and other things,—filled in with Currants, Strawberries, Raspberries, Blackberries, not to mention Grapes, Pears, etc.—We do not accept the standing excuse, "I am too poor, too hard driven, too much to do in my fields, to bother with the garden." We repeat, with emphasis, that every farmer can have most, if not all the above pleasant and healthful variety with less labor and less expense than the table can be supplied in any other way. Every day's work in the garden will produce several dollars' worth of good things. One quarter of an acre, more or less, according to the size of the family, will suffice. Select the best soil available, as near the house as possible, but at a distance if absolutely necessary. A good loam where water never stands is desirable. Heavy clay will not do well without a good deal of preparation. If not naturally dry, underdraining is desirable, but even an open ditch around the plot, and one or two through it if needed, may answer for the present. Plow and harrow fine, working in a liberal supply of the best well rotted manure that can be obtained—half a wagon load an every square rod will be all the better, but much less can be got along with.

NEGLECTED GARDENS AND ORCHARDS.

There can be no more unpleasant sight in the country at this season of the year when there is so much of *natural* beauty to admire, than to see in the midst of a handsome spot on hill side or valley, the residence of some citizen whose grounds around his home shows that great neglect that so much disgraces the dwellings in the country in every part of our State.

Strangers coming to California are particular to notice this fact, and to wonder at such a course, that which was designed as a garden to ornament the Home is left uncultivated, and suffered to become choked up with weeds, and plants to die for want of care.

The false notion that gardens cannot be maintained or kept up without much water and great expense is not true, the *cultivation* of the soil, fine deep culture will *produce moisture*, and this is better than irrigation, and if those who have a garden will but wisely *mulch* all the surface soil and well up around all the plants, no dry weather could injure any plants, as moisture would be drawn up from below to the roots of plants on the surface, which would always be kept fresh and moist; it would be wise to *shower* the whole grounds occasionally from a garden hose, to wash off all dust from the foliage of the plants and moisten the mulching; when gardens are thus cared for, the owners will always have a perpetually blooming garden, instead of a waste and dreary spot.

Another neglected duty to a garden is to leave decayed flowers upon the plants, all annuals should have the flowers constantly gathered when in their most perfect state, else they will go to *seed* and stop blooming, whereas if constantly gathered they will as constantly continue to bloom while the season lasts, roses, carnations, pinks and gladiolus should be cut before the buds are fully developed and if placed in open mouthed vases will soon bloom perfectly indoors and thus retain their brilliancy, which would be lost if allowed to open fully in the sun, attention to these matters will richly repay the owner of every garden spot in our State.

The Wine Tariff.

The Assistant Secretary of the Treasury has sent to the House of Representatives the draft of a bill to provide for the stamping of imported wines and liquors. This bill, if it becomes a law, will prove of great advantage to the wine and brandy makers of California. It is well-known that it has become the custom of a class of unscrupulous traders at the East to mark California wine and brandies with a foreign brand. But under the bill now submitted to Congress, any such transactions are made a crime, followed by heavy penalties. By the proposed law it is made imperative that where imported wines or spirits are drawn off into other packages of five wine-gallons and upwards, the same are to be stamped with suitable engraved stamps, made for that purpose. It is well known that large quantities of brandy have been shipped from Southern California to France. Now, that country is not an importer but an exporter of brandy. The only reasonable assumption, therefore, is that the California product after it reaches France will be reshipped to this country and elsewhere as genuine French brandy. The proposed statute can not prevent frauds of that character. But it will materially suppress the dishonorable practices which have come common in the Eastern and Western States of substituting California made wines for wines alleged to have been imported. It will also aid in bringing the merits of our wines before the people residing east of the Rocky mountains and in that way induce a larger market and better prices.—*Evening Bulletin.*

PUTNAM'S
HANDY-BOOK SERIES.

What to Eat. A Manual for the Housekeeper: giving a Bill of Fare for every day in the year. 134 pp., cloth. 75 cts.

Till the Doctor Comes, and How to Help Him By George H. Hoff, M. D. Revised, with Additions, by a New York Physician. A popular guide in all cases of accident and sudden illness, 12mo, 69 pp., cloth. 75 cts.

Stimulants and Narcotics: Medically, Philosophically, and Morally Considered. By George M. Beard, M. D. 12mo, 166 pp., cloth. 75 cts.

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The Student's Own Speaker. By Paul Reeves. A Manual of Oratory, comprising New Selections, Patriotic, Pathetic, Grave and Humorous, for home use and for schools. 12mo, 215 pp., cloth. 90 cts.

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A Manual of Etiquette. With Hints on Politeness, Good Breeding, etc. By "Daisy Eyebright." One volume, 12mo, boards. 50 cts.

The Mother's Register. Current Notes on the Health of Children. Part I.—Boys; Part II.—Girls. "The Mother records for the Physician to interpret." From the French of Prof. J. B. Fonssagrives, M. D. 12mo, cloth. 75 cts.

Hints on Dress. By an American Woman. Outline History of Dress. Things Indispensable. Estimates of Cost. Economy and Taste. What we Mean by Dressing well. Color, Form and Suitability. How and what to Buy. 12mo, 124 pp., cloth. 75 cts.

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All these valuable books can be had at the FARMER OFFICE, and will be mailed by us Post Free on the receipt of the price named above.

WARREN & CO.

49:11

THE AUSTRALIAN GUM TREES.

There is no tree known to science that presents so many valuable properties as the various species of the Australian Eucalypti. As many as one hundred and fifty varieties of this invaluable tree have been discovered. No timbers in the world can compare with those of Australia, for purposes requiring great strength, combined with great durability, they are unapproachable. Owing to an essential volatile oil that exudes from the foliage, epidemic rarely exists in Australia. The entire species are more or less medicinal. Yet after many experiments, I have found that some of the species, most useless as far as their timber is concerned, are of the greatest value as medicine plants.

In the back bush the gum-leaf has often to answer the purposes of the entire medicine chest.

During the past six years I have been experimenting on the various species of the Australian Gum—the roots, the bark, the gum, and the leaves—with great care.

I have found that the gum that exudes from some of the species cannot be excelled for some purposes.

For Rheumatism, Neuralgia, Gout, Sciatica, or any affection of the Nervous System, it appears to be almost a specific, giving immediate and permanent relief. For resolving the attack of Fever and Ague, it is marvelous. It is equally valuable in all diseases of the Liver.

The BEST MEDICINE one can possibly take for Indigestion, Fever and Ague, Wind in the Stomach or Bowels, Sick Headache, Heartburn, Giddiness, Drowsiness, Languor, Spasms, Pains and Fullness at the pit of the Stomach or region of the Liver, Loss of Appetite, Diarrhœa, Dysentry, and the most certain cure for Piles is Clarke's Liver and Bilious Pills.

It is essentially necessary during an attack of any of these diseases that the bowels be freely evacuated by a dose of four to six of the "Liver and Bilious Pills" previous to taking the Fluid Extract, and a small dose of the Pills every night will greatly assist the action of the Fluid Extract. For Rheumatism, Sciatica, Gout, Neuralgia, or pains in any portion of the body or limbs, the part affected should be freely bathed with the "Concentrated Fluid Extract."

For Dysentry and Diarrhœa it supersedes all other medicines known. For ordinary cuts, or slight bruises, one application generally suffices.

For Colic, Pains in the Stomach or Bowels, a single dose generally gives relief before five minutes. In bad cases a dose may be taken every half-hour, or hour, till relieved.

Very Rare Australian Seeds.

WE HAVE RECENTLY RECEIVED FROM AUSTRALIA large collections of the new varieties of the Eucalypti never before imported here; also, very rare TREE and SHRUB SEEDS, which are most desirable to introduce upon the Pacific Coast.

In order to scatter them widely, and thus have them extensively grown and more widely disseminated. We shall put them up into collections of *ten parcels each*, and mail them to order, at $5 each collection. Address

WARREN & CO.,
320 Clay Street, - - - San Francisco.

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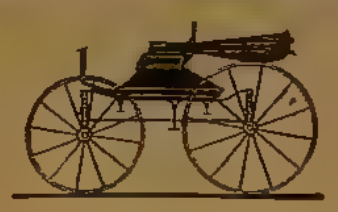
WARREN & CO.

B. GRAVE & CO.,
CARRIAGE MANUFACTORY.
The only Builders of the
OPPENHEIM DOUBLE BUGGY,
—AND—
ROCKAWAY COMBINED.



SINGLE

DOUBLE.

421 and 423 PACIFIC STREET,
SAN FRANCISCO.
49.11

NURSERYMEN AND FLORISTS ABROAD

Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurserymen, especially, who have New and Rare kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our Journal circulates there to a large extent.

This is the season when Nurserymen should make known what they have for sale.

Warren & Co.,
PROPRIETORS CALIFORNIA FARMER.

Best Fruit Dryer in the World.
HAMPTON & KELLY
—AND—
KELLY & COLE'S
FRUIT DRYER.

THIS MACHINE DRIES BY STEAM HEAT AND DOES not burn the fruit. It is very economical in its working machinery, and so perfectly simple that every family can use it in their homes; it is also perfectly safe.

In connection with this machine is an admirable GRINDER capable of grinding one bushel of fruit per minute.

The capacity of drying of the SINGLE DRYERS are from 20 to 30 bushels in 10 hours for each machine. Large machines will dry from 50 to 100 bushels in 10 hours.

Orders for these machines, for the present should be sent to Messrs. Kelly & Cole, First and Salmon Streets, Portland, Oregon.

A manufactory of these Dryers will soon be established here, and will be under the superintendance and management of **ALFRED B. COLLVER**, who is the General and Traveling Agent of all these inventions.

Mr Collver will have his office in this City early day—all letters for him can be addressed through the Express or Postoffice to the undersigned, and they will have prompt attention.

ALFRED B. COLLVER.

N. B.—Letters can be directed to me care of EDITOR FARMER, to whom we are permitted to refer for the excellent quality of our Fruit Dryer. A. B. C.

49:7

THE TRALL
Hygienic Sanitarium
No. 8. ELLIS STREET,
SAN FRANCISCO.

Thermo-Electric, Steam, Hot Air and other Baths. Electricity, Swedish Movements, Health Lift, Etc.

Healthful Board and Pleasant Sunny Rooms

D. C. MOORE, M. D.,
(Late associate of Dr. Trall,)
Resident Physician and Manager.

MRS. E. D. MOORE, M. D.,
Ladies' Physician and House Superintendent.

Send for Trall Health Journal.
49:7

Remitting Money.

We desire those who Remit us Money, to send it either in Checks on our *Banks here*, or by Post Office Order, or Green backs.

We desire this *especially of Newspaper Agents*, or others abroad who send *their Checks* on Home Banks—this occasions delay or expense to us in collecting, while it is just as well for them to adopt the way we point out, and send us Cash. Currency. These are our terms.

WARREN & CO., Publishers Farmer.

J. M. THORBURN & CO.,
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NEW YORK.
Growers and
Importers of
GARDEN,
FLOWER,
GRASS,
— AND —
TREE SEEDS.

SOLICIT Orders for the above from the TRADE, also, *GLADIOLUS* and all other *BULBOUS ROOTS*.

44:26 Price Lists on Application.

VICK'S ILLUSTRATED MONTHLY MAGAZINE

Each Number contains Thirty-two Pages of reading, many fine Wood Cut Illustrations, and one Colored Plate. A beautiful Garden Magazine, printed on elegant paper, and full of information. In English and German. Price, $1.25 a year; Five copies $5.00.

Vick's Flower and Vegetable Garden, 50 cents in paper covers; in elegant cloth covers $1.00.

Vick's Catalogue.—300 Illustrations, only 2 cents.

Address, JAMES VICK, Rochester, N. Y.

VEGETABLE AND FLOWER SEEDS
SEEDS — WE SELL EVERYTHING FOR THE GARDEN — PLANTS
Descriptive Catalogues of 175 pages sent Free
PETER HENDERSON & CO.
35 Cortlandt St., New York.
FLOWER AND FRUIT PLANTS

49:1

W. H. FLETCHER,
Shipping and General Commission Agent,
40 HUNTER STREET,
SYDNEY.

WILL ACT AS AGENT FOR GOODS SENT TO THE Sydney International Exhibition, and attend to sales afterwards, or otherwise as instructed.

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HUGH CRAIG, Esq., 307 California Street.
MESSRS. WARREN & CO., San Francisco.
49:10

E. T. ANTHONY & CO.,
DEALERS IN ALL KINDS OF
TOBACCO
—FOR—
SHEEP WASH
PURPOSES.

THE NEW SHEEP DIP.

We invite our wool growers to call on us and examine the NEW OMAHA SHEEP DIP the best preparation yet offered—one gallon dip makes 150 gallons wash.

407 and 409 Commercial Street,
NEAR BATTERY, SAN FRANCISCO.
49:10

FARMS, RANCHES
—AND—
LANDED ESTATES FOR SALE.

Now that we have so many settlers of the BETTER CLASS coming to our State, those who have

Lands, Ranches, Farms,
—AND—
IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in Our Journal will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms and Libraries in the United States.

☞ Advertisers will be wise that consult our columns. ☜

WARREN & CO.,
CALIFORNIA FARMER OFFICE.

NEW TOOTH POWDER!

The New Tooth Powder and preservative for the gums, and purifier of the breath.

DAVID CLARKE'S
Eucalyptus Tooth Powder.

The best ever compounded and destined to supersede all others.

WARREN & CO., Sole Agents,
320 Clay Street, S. F.

PULLMAN HOTEL DINING CARS

THESE CELEBRATED HOTEL CARS ARE NOW

Chicago and Northwestern Railroad
BETWEEN
COUNCIL BLUFFS AND CHICAGO

No other road now runs or has ever run

Pullman Hotel Cars,

PULLMAN DINING CARS,

Or any other form of hotel, dining or restaurant
THROUGH
BETWEEN OMAHA AND CHICAGO.

Do not be deceived by the false representations of the agents of other lines who tell you they have hotel cars on their lines west of Chicago. It is not true. No road west of Chicago has them except

THE CHICAGO AND NORTHWESTERN.

PASSENGERS for Chicago, Niagara Falls, Pittsburg, Philadelphia, Montreal, Quebec, New York Boston, or any point East,

Should Buy their Trans-continental Tickets
—BY THIS—

Pullman Hotel Car Line.

Close connections are made at Chicago with the Lake Shore & Michigan Southern, Michigan Central, Baltimore Ohio, Pittsburg, Ft. Wayne & Chicago, Kankakee Line and Pan-Handles routes, for all points EAST and SOUTH EAST.

This road can give you CHOICE of ALL ROUTES from Chicago to the East. It allows its patrons to select the route they may think best. Determine the route you would like to travel over beyond Chicago, and we will be glad to sell you THROUGH TICKETS by it.

☞ Passengers will find Tickets via this Favorite Route at the ticket office of the Central Pacific Railroad, Sacramento.

☞ Tickets for sale in all the ticket offices of the Central Pacific Railroad.

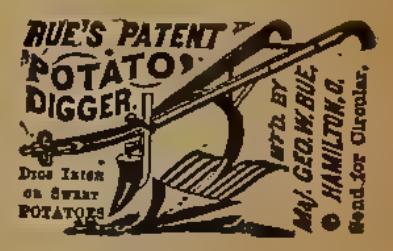
W. H. STENNETT.....General Passenger Agent
MARVIN HUGHITT.....General Manager

H. P. STANWOOD, General Agent,
No. 2 New Montgomery Street, San Francisco.
47:11

SPLENDID FLOWERS OVER 1200 Distinct Varieties.
All Strong Plants, each labeled and delivered safely by mail. Largest assortment. Low prices. We have been in business 24 yrs, and cannot advertise further. Our catalogue ROSES comprises all desirable varieties and contains none but proven plants. We send purchaser's choice of 6 for $1, or 13 for $2. Our new Illustrated Hand-Book, sent free, gives name and description of each plant, with directions for its successful HOOPES BRO & THOMAS Co. Nurserymen, West Chester, Pa.
47 22

FOUR SPLENDID WAGONS.

Farmers who desire a splendid Single or Double Seated Wagon, of the best make and best finish, can have a special bargain if they will call at 320 Clay Street, FARMER Office, where style of the Wagon will be shown them, price and terms also. An early call will secure a bargain rarely obtained.



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BOOK
—AND—
JOB PRINTING.

POSTERS, CARDS,
—AND—
CIRCULARS,
PROMPT, CHEAP AND GOOD
AT THE LARGEST PRINTING HOUSE
On the Pacific Coast.

COMMERCIAL
STEAM MAMMOTH
PRINTING HOUSE.

517 CLAY STREET,
FRANCIS, VALENTINE & CO.,
PROPRIETORS.

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, JUNE 26, 1879.

THE CALIFORNIA FARMER READING ROOM, AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marble Building—Up Stairs.

FARMERS HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of those rooms, Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for one insertion, fifteen cents a line for any larger space. Each subsequent insertion ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,
PUBLISHERS CALIFORNIA FARMER.
San Francisco, Cal.

Editor's Chair.

Our Present Number.

We know all our readers will approve our present Number, and those that use the Plow especially, for we give them a history of the Plow of more than ordinary information.

Fourth of July Rest.

Agreeable to our custom for years we issue no paper on Fourth or July week, thus giving to all a little respite to care and labor, that all may duly observe the Glorious Fourth, the natal day of our country.

Independent Subscribers.

We hope those to whom we have sent bills of dues to this Journal, and all that are indebted to us will make an effort to cancel that debt before or on that day and so help *us* to be *truly independent*, and enjoy that day ourselves, all who will bear this in remembrance and now fulfill the "Golden Rule" shall have their names written upon our Great Register in "Golden Letters."

Home.—We place in our Poets' Column two Poems written for our Journal, of more than usual excellence to which we ask special attention.

We invite also due notice to the "New Moon," just now appearing in the bright blue above us as the poet so sweetly speaks.

"A Story for Boys," "Childrens' Gift to Longfellow" is beautiful indeed, "Hints to Bouquet Makers," by Mrs. J. B. Root is admirable, a valuable chapter of instruction to all who arrange flowers, "Mysteries of a Lump of Coal," "Clerkships at Washington," "The Noise of the Finger" and "The French and English Women" all convey knowledge, "We Live Again" is a kindly word for a noble veteran Editor, which we hope will bring to him many friends, "Triumphs of the Eucalyptus" must be read and appreciated.

Miscellany.—"The Mysteries of Electric Light" will interest our readers.

Horticulture.—"What Gardens have you" "Neglected Gardens and Orchards," should be carefully read by all who have an interest in garden work.

Agriculture.—A poem, a very happy one on this page, "The Mowing" will be read with pleasure we know.

"How we Saved the Old Farm," again occupies a good space, but its excellent teachings will amply repay the reading, "Breeding of Poultry" and "Fattening Sheep for Market" are both highly meritorious and should be read.

Our Front Page.—This week we devote our Front Page to a grand Enterprise, and gladly say to all our readers,

Speed the Plow, as it is the noblest implement of the farmer, and we *bring it to the Front*.

Directions for Planting Tree Seeds.

All nut and hard shell seeds should be soaked in warm water, milk and water is better, and hot too, if convenient, soaked until the rind is softened, then placed in the earth as follows:

All seed of choice nut trees, or of ornamental and shade trees do better if planted in good sized boxes, and when 8, 10 or 12 inches high to be transplanted where they are to grow.

THE SOIL AND PREPARATION

Take of good rich loam (virgin soil) one-third, one-third sand, one third very old decomposed manure, mix them thoroughly, then prepare boxes with holes in the bottom for drainage, fill these boxes two-thirds full of this compost, and plant the seeds, each in separate boxes, and in thickness according to the size of the seed, then sift over them good sand and loam only, about 1½ to 2 inches, and over this cover bout an inch of sawdust, then sprinkle with a fine syringe or water pot, the sawdust keeps the surface from baking. Keep the boxes in a light and cool place, free from the sun (which drys the surface) till the seeds are up and show 2 or leaves, them bring gradually into the sun and air.

THE TIMES---TRADE COMPLAINING.

"Look not mournfully on the past, it is gone, act well the present, and look hopefully to the future."

These words of Carlysle should be fully impressed upon the minds of our business men, who, almost universally are complaining of the dullness of trade, and the general depression that prevails over our State.

It seems to be a chronic disease now to *complain* not only about *business*, but about the *scarcity of money*, the wreck and ruin of old business houses all over this country and of Europe also.

California or the United States are not alone in this general dullness of trade, or in the mercantile or banking troubles that have wrecked so many who were supposed to be beyond the reach of any pecuniary harm, but alas! "riches take wings" and hundreds and thousands that a few years ago were then ranked as our rich men, even *millionaires*, have already bowed to the blasts of misfortune, and to-day again are called to begin their life anew.

Californians never dreamed of such a condition of business as is being experienced now in all the various departments of trade, but as we say in the opening of this article,

Look not mournfully on the past,

To Californians the *future* is now what concerns this city and this State most, for on that future hang the most momentous results.

California is now in the vortex of a political whirlpool, and if those who have large interests at stake do not arouse themselves, and take the oar in hand and *row for dear life*, our Ship of State *will go upon the rocks* and be shipwrecked—this is no idle fear, it is the TRUTH.

We ever love to look upon the bright side—and we do see a bright side if the proper effort shall be made to save our State from misrule.

The great effort of all our merchants should be to sustain and build up one another, for if doubt and fear get the mastery, all is lost, if instead of a generous and liberal policy the "Shylock system is pursued, there can be but little hope of a renewal of business confidence or a revival of trade.

The "Golden Rule" should be the standard to guide all, let this be reared in all hearts, and a liberal and generous spirit be but manifested to all who are in misfortune, then we shall soon see a change of times and a renewal of trade and confidence that will make all hearts grateful.

Gov. Leland Stanford.

No citizen of our State has had a greater or more sincere interest felt for them than has Gov Stanford during the months past of his illness, and it is with unfeigned pleasure that it is now known that his health has greatly improved, so that ere long he will again occupy his post for active duties and exert that powerful influence for the great interests he controls, and which has done so much to build up and make California what it has become, one of the wealthiest and most influential and important States in our Union.

Whatever may be said by a partizan press or by selfish politicans or prejudiced minds about monopolists or millionaires, every high minded citizen of our State will accord to Governor Stanford the credit and honor of *Monopolizing* as many great and good deeds, and as many great and mighty enterprises for the true progress of our State and Coast, as any other citizen of California, and his *millions* richly earned, are but tokens of his millions of good deeds, many of which the world never knew, but for which thousands of the poor and needy have sent up their prayers to Heaven for his restoration to health, which is hoped is now realized.

The Sydney Exposition.

This coming International Exhibition promises a very great success, exhibitors will make displays from all parts of the world, America will make a good display of all kinds of Agricultural Goods.

Our Preserved Fruits and Dried Fruits and Raisins will be there, and we hope the Pacific Coast will do her share.

The next Steamer for Australia goes down full loaded, the Steamer of August will be the next.

The English Government gives a half a million to aid the Enterprise, California must do her share.

Pacific Mail Steamer well take goods for this Great Fair at Half Rates and act liberally in all cases, to promote the interest of California and Australia combined, Mr. Williams, the Agent of the Mail Steamer is earnest to promote business between the two countries.

Minerals at Paris Exposition.

We have been favored with full Catalogues of the splendid collections of Minerals, Rocks, Ores and Fossils, which were shown with so much skill at the Paris Exposition by Henry G. Hanks, Esq., our truly distinguished Assayer and Chemist; this vast collection is undoubtedly the most complete of any collection on this Coast, and is of great value, and is now only waiting to be properly placed, when our *State* shall act with a just and becoming, and we may say Paternal care of such interests.

Had it not have been for the truly magnificent act of J. W. Mackie, Esq., who advanced all the expense of sending this collection to Paris and the cost of its whole care while there and back again, that exhibit never would have been made, we hope that when the next Legislature shall meet they will as an act of justice to Mr. Mackie tender to him not only a vote of thanks for his noble act, but will return to him the amount he so kindly advanced to aid our State, and with interest; the amount was over $5,000.

Mr. Hanks has many fine collections of minerals in cases, handsomely catalogued, at his rooms in value of $200 to $500 each, our State is greatly indebted to Mr. Hanks for his care of the minerals at the Exhibition.

If we would have powerful minds, we must think; if we would have strong muscles, we must labor. These include all that is valuable in life.

OUR NATION'S GLORY DAY.

We may truly call the *Fourth of July* our Nation's Glory Day, for the present condition of our country not only reflects glory upon our own nation, but the influence of our free institutions is shedding their halo of blessedness over the whole world.

What mighty changes have taken place among nations, and what an upheaving and overthrow has been made among crowned heads and the despots of Europe since the great blast of Liberty's Bugle was sounder in the Rebel Colonies in 1776.

What would have been the condition of mankind had that bugle never been sounded? And how would the people of the world have fared now, had not that great 'Magna Charter' of Liberty have been sounded in "Independence Hall", in Philadelphia, the Fourth of July, 1776, when by the signing of that Immortal Document the

FREEDOM OF A WORLD WAS SECURED.

Well may we celebrate such a day as the one we hail as our "Glorious Fourth of July," a day that should be perpetuated and honored in our country while the world stands, for it has proved the great and grand cause of Human Liberty and advancement the world over.

We would have this glorious day honored truly, not in wild revelry and minickry, but with noble deeds, noble sentiments and elevated aspirations for higher life and the coming freedom of *all the nations of the world*.

We rejoice in knowing that over our whole nation this day will be duly honored.

THE CHERRY SEASON.

Cherries ripe!! Cherries Ripe!!!

This is one of the "cries of London" we have them here, but not by pleasant faced girls that please customers by courtesy, but in our City most generally on a "Sabbath day" about service time, these peddlers make a hideous cry that should be forbidden by law, at least for respect for the hour and the day—but to the luscious cherries—a little time since we found a large box on our Editorial table, which upon opening we found filled with this luscious fruit, and as bright and beautiful as a tinted photograph, they were almost too rich and beautiful in the box, layers of *Tartareans, Biggareaus* and *White Hearts* as the brilliant colors of a picture.

With this liberal gift came a cheerful, winning note of invitation, from which we clip these words:

"Abundance of fruit, grapes promise perfection, and if you can appreciate snowflake *spuds* steaming hot under cover, they must be eaten like oysters on the shell, then in their pristine perfection, without any condiments or lubricates.

Come this way! Cherries now in their forte, blinking and winking in their untold brightness."

What a temptation was this to flee away from Editorial drudgery and revel among delicious fruits and bright flowers, in one of the loveliest spots, and roam over one of the finest Orchards and Vineyards in our State, where not only the usual rich fruits are found, but Oranges, Lemons, Pomegranates, etc., a very Eden ground.

Go we must, and breathe a fresh gale, that we may vitalize and recover from a weary illness that overwork entails by duty, our heart thanks are due for rich fruit and kindly words.

The Coming Election.

How much depends upon the election of the right kind of men as *Senators* and *Representatives* of our State for the next Legislature; already a number of county conventions preparatory for a State Convention for each party (and there will be four) and at each there will be selected the various officers needed to conduct the affairs of State.

We think the time has come when all party feeling should be laid aside, and the aim be to select men, high minded men, and the party that shall now place in nomination the best men will win the day.

Our State is in a most deplorable condition now, in a political sense, and the blessing of a redeemed people will be given to the man, men or party that shall save this commonwealth from impending ruin.

What constitutes a State?
Not high-raised battlement or labored mount,
Thick wall or moated gate,
Not cities proud with spires and turrets crowned;
Not bays and broad armed ports
Where laughing at the storm rich navies ride;
Not starred and spangled courts,
Where low-browed baseness wafts perfume to pride,
No; men, high-minded men.

Men who their duties know
But know their rights, and, knowing, dare maintain,
Prevent the long-aimed blow,
And crush the tyrant while they rend the chain!

A Collection of Pictures.

When we were at Santa Clara we visited the photographic gallery of H. Schorne, the energetic and successful artist of Santa Clara whose pictures are winning for him a good reputation, and giving him increasing business.

We received from Mr. Schoener a collection of his pictures which we esteem of great merit, and which reflect upon him great credit, we tender to Mr. S. our thanks for his courtesy to us, and bespeak for him a generous patronage of the citizens of that flouriahing county.

List of Australian Duties.

Our Merchants and Shippers of Goods to Australia who desire to know the rates of duties to the several Colonies, can find a "List of Duties" of each district at the Office and Reading Room of the California Farmer, 320 Clay Street, San Francisco.

ORCHARDS AND GARDENS AT SANTA CLARA.

When at Santa Clara College at Commencement time we were greatly interested in the progress made in the orchards, vineyards and gardens of this great College, for in addition to the excellence of this College as an *Institution of Learning* the extensive gardens and grounds around the College affords a guarantee of health, pleasure and an ample means of promenade for the students, besides giving to the College for the tables where so many students board, an ample and liberal supply of the best of vegetables and the most delicious fruits, so that mind and body both shall be cared for and refreshed.

NEW FRUITS—RIGHT CULTURE.

In the orchards we noted that *fifteen* new varieties of Figs have been imported from abroad of the very rarest kinds, and these are now all growing finely, the young trees not more than two and three feet high having fruit.

The scale, mealy bug and other insects that so infested the *old Olive trees* and also the Peach trees, have had wise measures adopted for their extermination from these orchards and garden grounds.

The stately Olive trees have all been headed down very close, all the tops near to the body of the trees, and the body of every tree nicely washed with whitewash and compost.

The old Peach trees were all headed down close last year, and a new and handsome growth of clean fresh branches form a handsome top which has removed all disease and ensures a healthy growth and a better crop of fruit in the future.

In the Gardens near the College, the enclosed square contains some of the largest and finest Orange and Lemon trees of our State, these yield fine crops every year; within the same square are two of the most stately Palms also in the State being about 30 feet high and two feet in diameter, beautiful Palms, many extra specimens of the Date Palm, Dracena, Holly, Ponciana Regina, Privet and others of remarkable size, with a very large and well cared for collection of plants and flowers that beautify and adorn the grounds.

The Vineyard adjoining the College is an extensive one, and is in very fine condition, giving promise of a great crop and the same can be said of the orchard trees generally.

From this Vineyard is made a large quantity of Wine and of the very best quality, the wine made here is made with skill and always pure, no adulterations; no viniculturist in our State can show better Wine.

It is very pleasant to know that this College is in the highest state of prosperity in all its great interests.

Neglected Fruit Trees.

One of the sorry and we should also say, one of the disgraceful sights now seen in too many districts in our State are the fruit trees in the orchards, where they are left to grow as best they may; and left too, to be choked up with weeds, while the soil is never touched by plow or cultivator during the fruit season, nor a knife or saw touches them to take away dead branches or improper growing woods, and thin off an overloaded amount of moss or diseased bark that harbors insects and disease in every form.

How can our orchardists expect to make their trees profitable when they are left to take chances so trying in a State like ours, trees and orchards when properly cared for will always pay—but unless care is bestowed loss must result.

Sunburned Hay

Whoever observed the hayfields as they pass along in our Railroad cars or ride through the country in any direction, cannot but observe the large amount of *yellow* hay that covers the fields almost everywhere.

To a wise, careful and truly practical farmer, it must be a fearful sight to see the waste and loss that must fall upon all farmers who thus waste their own means every year by *spoiling their Hay*, for no man who wants *good Hay* will buy sunburned and dried up hay, when he can get good *green cured* hay for his stock, for it is certain that *eight tons* of green cured hay will better feed and sustain stock than *ten tons* of the ordinary dried up hay so common in our markets—and every hay maker that dries up his hay loses from $2 to $5 on every ton—in its value.

Country Road-sides.

Public attention and public authority should be called to the many roadsides along our public highways where *thistles, nettles, red dock* and *mustard*, occupy a large portion of the highway, and seeding there, seed off on every breeze of wind its millions of seeds like winged insects, to make a lodgment upon their neighbor's fields or farm, and thus like a pestilence spread the evil over all the country in their reach.

If we can make laws to stop the spread of diseased cattle or other stock, can we not correct this evil also; we hope in the coming session of our Legislature this growing evil may be corrected, we hope it will be a Constitutional right, whether we have a new or an old Constitution to live under.

Increase of Crime.

The constant parading of the lamentable cases of murders, suicides and numerous cases of crime all over our State and Coast, and the heralding them in all the newspapers all over the land, causing so much talk and discussion leads as a natural result to making crimes of all kinds the subject of common talk and discussion, and seriously affecting the weak-minded, and also prompting those disposed to crime to talk and study, and eventually lead many into temptation, and often so deranging the mind as to lead to suicides and crimes of various dyes.

Were it possible for the law to suppress the publication of all these reports that were not strictly "Court Reports," we believe the community would be saved from a large amount of crime and suffering, and many lives be spared.

There can be no question but that the crimes thus detailed by interviews of reporters, etc., instruct persons in crime and lead them on to ruin.

RECEIVED AT READING ROOMS:

We have from *Orange Judd & Co.*, New York, a new edition of Qumby's Book on Bee Keeping, with 100 illustrations and portrait of Mr. Qumby, this is an invaluable book for all Apiarians, this book has been prepared by L. C. Root, Esq., apiarian and it is a true guide to Bee keeping and should be in the hands of all who have bees; we shall give his teachings soon.

We have the Catalogue and Circular of the Illinois Industrial University, at Urbana, Ill., a full text book of this excellent Institution.

A Scientific Work.—We have a valuable pamphlet by C. A. M. Taber, Esq., of Boston, "The Causes which produce the great prevailing movements of the Air and Ocean," very appropriate now when so much disaster sweeps over our land, we shall give the text of this theory of Mr. Taber soon.

Telephones, etc.—We have the Catalogue containing sketches of the new singing Telephone, Motophone, etc., with various philosophical Instruments of new style, from Geo. Wale & Co., of N. Y., of these we shall speak soon.

We have valuable documents from the "Treasury Department" the "Bureau of Statistics" and the Ag. Department at Washington, D. C.

We have the Annual Circular and Catalogue of the State Normal School at San Jose, a valuable paper for education.

We have Premium List and Rules and Regulations of the "Iowa State Ag. Society," the Fair is to be held this year at Des Moines.

We have valuable Reports from the Board of Agriculture of Georgia.

We have an excellent Nursery Catalogue from C. M. Sylva & Son, famed growers of Strawberries at Newcastle, Placer county, their new Catalogue is neatly gotten up, and has a list of new things worthy note.

We have the "Premium List" of the New York State Ag. Society, with Rules and Regulations for their 39th Annual Fair.

We have the Catalogue of the St. Ignatius College in our City, their Academic year of 1878 '79, is a testimony of their flourishing condition.

We have a very interesting work upon *Lightning Rods*, by John Phin, Esq., with full and plain direction for construction, erection and care of these lightning guides.

Music.—We have received the May number of *Litolff's Musical World*, with five new Compositions of choice music, arranged for the piano forte by Clemens Schultze, "True Remembrance" a melody, "The Slumber Song," "Separation," "Carnival Polka," etc., this Magazine is 20 pages and only $2.50 per annum.

EUCALYPTUS TESTIMONIAL.

BETTER THAN QUININE IN FEVERS.

Extract from a letter from the Rev. George Brown, of New Brittain, to David Clarke, Chemist, Warwick, Queensland:

David Clarke—*Dear Sir*

"During the last sickly season, as it has been one of unusual severity, nearly every foreigner and nearly every member of our Mission has been down with Fever, which was either the Bilious Remittent Fever or Intermittent Fever. In most cases assuming the former type. I found your Pills very useful indeed, and both the Teachers and Natives thoroughly believe in them. * * * * I have found your Eucalyptus Extract very useful as a tonic after the first violent symptoms of the fever has been subdued, and in one case lately it seemed to do good when I could not succeed with tonic doses of Quinine. I mean to try it fairly in one or two cases when I can see it administered regularly myself. * * With kind regards, I am Dear Sir,

Yours truly. George Brown."

Phylloxera Remedy.

The proprietor of a vineyard at Ivigany, in the Department of the Rhone, bethought himself of introduing strawberry plants between the rows of vines. The strawberry plants selected were of a kind which produced large berries, because these berries either engender or attract an insect that takes a pleasure in seeking out, pursuing, and devouring the phylloxera. It was like setting one pest to destroy another. The plan was amazingly successful. The strawberry insect sought out and killed the vine insect on so sweeping a scale that very soon not a phylloxera was left, and the vines were left in peace to grow their grapes in perfection. This ingenious device has been followed by other vine-growers with equal success, and we are told that their vines have been perfectly healthy since the strawberry plants were introduced among them. A vine-grower in Madoria has announced that he averts any damage from the phylloxera by the simple means of cleaning the roots of the vines as far as it is safe to uncover them, and then applying a mixture of Canada balsam and turpentine.—*Harper's Weekly.*

A NEW BOOK.

Henry Greville's new Russian novel, entitled "Marko the Russian Violinist," translated in Paris by Miss Helen Stanley, under the immediate supervision of the author, is in press and will be published in a few days, simultaneously with its issue in Paris, by T. B. Peterson and Brothers of Philadelphia. Mr. F. A. Nichols, Editor of the Boston *Globe*, who has read the translator's manuscript, as well as the proof-sheets of it for Madame Greville, says: "Marko is a musical novel and an art study, full of beautiful poetry and true poetry, and such as could be written only by an artist and genius. The character-drawing is marvellous in breadth and analyzation, and gives proof of rare artistic skill, while the most delicious fancies, expressed in graceful poetical and vigorous language, render the author's style incomparably charming. 'Markof' also shows an unusual degree of dramatic talent, and I know of no work, nor can I remember any one which has pleased me so much both in its ideas and their expression, in its plots and development, as in its brilliancy and real value. There is no doubt but that 'Markof' will be a great success. I believe that Henry Greville is one of the greatest authors of this generation, and is destined to be enrolled as such, for she is full of genius and art. The English version retains the strong, clear style of French with commendable fidelity, and there are a few letters in the novel which are unique, and their style is admirably preserved in the translation." It will be issued in a large duodecimo volume of five hundred pages, bound in morocco cloth, price $1.50

There is a gift that is almost a blow, and there is a kind word that is munificence; so much do there in the way we do things.

FURST & BRADLEY'S
SELF-DUMP SULKY RAKE.

The Attention of Farmers is called to the merits of this Rake, and its great superiority over all Self-Dump Rakes heretofore brought to the notice of the public. The Dumping is done by friction bands around the ends of the hubs giving full control of the Rake to the operator, so as to be able to carry the teeth clear of the windrow. This does away the necessity of ratchets and pawls which is so objectionable in all other Self-Dump Rakes. The teeth are of the BEST CAST STEEL and have a double coil which renders them capable of the most severe work.

SEND FOR OUR NEW ILLUSTRATED CIRCULAR TO

GEO. A. DAVIS, Agent,

327 MARKET STREET, - - SAN FRANCISCO.

THE

New Zealand Insurance Co

FIRE AND MARINE.

Organized 1859

Capital, $5,000,000.

With Unlimited Liability of Stockholders

Capital	$5,000,000
Capital paid up	1,000,000
Assets	1,985,655
Re-Insurance Reserve	345,639
All Other Liabilities	159,075
Surplus for Policy holders	1,450,941
Premiums received to May 31, 1878	7,495,177
Losses Paid to Date	4,999,902
U. S. Bonds deposited in Oregon	50,000

UNDERWRITE, THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandise, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

HEAD OFFICE

NEW ZEALAND INSURANCE COMPANY,

Auckland, N. Z.

HUGH CRAIG, - - - - - - Manager,

OFFICE, 307 CALIFORNIA STREET,

San Francisco.

OREGON BRANCH:

No. 7 FIRST STREET, PORTLAND,

W. F. BROWN - - - - Manager.

47:12

Strawberry Plants for Sale

TWENTY VARIETIES.

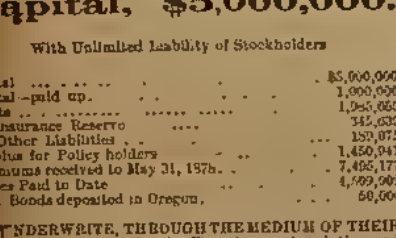
The Rarest and Best.

PRODUCING BERRIES THIS SEASON from the size of a Walnut to that of a Hen's egg.

The varieties offered are new and choice and immediately productive.

Directions for their culture given to all purchasers. For sale at

Farmer Office.



45:2

A Magnificent Estate.

A large and very fine estate of some THREE HUNDRED ACRES with a fine Orchard of the very choicest fruit; a large Vineyard, very productive; a large number of Fig Trees, great bearers

ORANGE, LEMON, OLIVE, and choice EXOTIC FRUITS of all kind

This estate is located in one of the "Beauty Spots" of our State a retired, healthy and delightful place.

This estate will be sold at a great bargain by reason of declining health of the present owner.

Particulars can be had from EDITOR FARMER

25 STYLES OF CARDS, with name in gold, 10 cts. J. B HUSTED, Nassau, N. Y. 47:14 1y

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COMMISSION MERCHANT,

20 NORTH WATER STREET,

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HONEY, GREEN AND DRIED FRUITS.

ADVANCES ON CONSIGNMENTS TO

LONDON AND PARIS.

49:12 Correspondence Solicited.

THE HISTORY
—OF—
THE DONNER PARTY.

A TRAGEDY OF THE SIERRAS,

By C. F. McGlashan.

AGENTS WANTED.

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—AND—

EAGLE PAPER MILLS.

48:19

Peterson's
COUNTERFEIT DETECTOR
—AND—
National Bank Note List.

THIS CELEBRATED PUBLICATION OF THIRTY Years standing, one of the best works of the kind known, published by Peterson Brothers, Philadelphia.

Subscription price, monthly..... $1 50 per year

Semi-monthly..... 3 00 per year.

Can be had at the Reading Room of THE CALIFORNIA FARMER, 529 Clay Street, San Francisco.

SELF-ACTING COW MILKER.

Greatest Labor-saving Invention of the Age. Used and recommended by the Leading Dairymen of the East. Sample with full directions, by mail, postpaid, $2.50. Liberal inducements to Agents.

Patented May 30th, 1876. Send for Illustrated Circular.

SPENCE & CO., Sole Agents, 24 Geary St., San Francisco.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the *information of their Wants.*

DEERE & COMPANY,

MANUFACTURERS OF THE

JOHN DEERE MOLINE PLOWS.

MOLINE PLOW WORKS.

11-INCH STUBBLE PLOW.

THE WORLD'S FIRST PRIZE AT THE VIENNA EXPOSITION IN 1873.

The points sought for in plows are steadiness of run, ease of draft, perfect work, and durability—and these important considerations we think we have secured to our plows. This was so decided by the Committee at the Great Vienna Exposition, who awarded the prize to our plows.

THE DEERE GANG PLOW.

Its ingenious construction and simplicity are shown in the fact that by *one lever* it is operated to any required depth. Opens up the first furrow and finishes the land by simply *moving the lever* from one notch to another, the plows maintaining a level position at all depths; and by pressing the same lever outward until it locks into a lug on the hub, the plows are carried clear of the ground by a half revolution of the wheel.

Its strength and durability are shown by merely stating that it is all from *cast steel*; and although there are many lower priced Gangs than ours, its cheapness is demonstrated by its greater durability and superior adaptation to the purpose for which it is designed. The DEERE GANG has an advantage over others, also in its lightness of draft, as has been proved in many dynamometer tests, and the many farmers having them in use have become satisfied, by comparative *team tests*, that no draft is added by the weight of frame and driver; and this is accounted for by the well known fact that a heavy load can be carried on wheels easier than a lighter one can be dragged on the ground.

The principle on which the DEERE GANG is constructed is such that the tendency of the plows to run at greater than the required depth is arrested by *the lever*, and the weight of plows and earth upon them, as well as that of the frame, is transferred to and carried by the wheels.

IRON BEAM PLOW.

The stickiest soil will not adhere to the working surface and more and better work can be accomplished with them each day, with ease to team and plowman, than with the plows of any other make.

They have been awarded the highest prizes ever offered in the country on plows, and have successfully carried off the prizes offered by the agricultural societies of the different Western States, and last season was awarded the GRAND PRIZE in field trial at the PARIS EXPOSITION, besides many prizes at other European trials of lesser note.

DEERE & COMPANY,

MOLINE, ILLINOIS, U. S. A.

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

☞Full Directions for Use Accompany every Box.

—ALSO—

CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS
Clarke's

LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1872.

TO MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed *good health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON

LONDON BOARDING HOUSE, ALBION STREET,

WARWICK, September 23, 1874.

TO MR. DAVID CLARKE, Chemist and Druggist, Warwick

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)

JOHN GREEN,
—Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus:

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *have cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain, was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,

GALEN CLARK,
Commissioner Yosemite Valley.

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, coming from so high a source, we feel it a duty we owe to the public to give it the following letter:

SANTA CLARA, SANTA CLARA COLLEGE.

COL. WARREN—*Dear Sir*

Heretofore we have had no occasion of trying the Eucalyptus Medicines, in Pills or Liquids, but we have commenced to use them, and we find them very beneficial, some of our Fathers find a great relief in their complaints; the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare. Yours respectfully,

A. CICHI, S. J.

At later date we received the following, another proof of the virtue of this Medicine:

The Pills we find to be a mild and beneficial cathartic. The Liquid Extract is a valuable Blood Purifier and a good appetizer A. CICHI, S. J.

The above from Prof. Cichi, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedial.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you David Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY

David Clarke.

Manufacturing and Wholesale Chemist,

AT HIS LABORATORY,

Warwick, Queensland.

FOR SALE BY

WARREN & CO.,

SOLE AGENTS FOR THE

UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

WATKIN'S
NEW SERIES
—OF—
Yosemite and Pacific Coast Views,

—ONLY AT—

427 MONTGOMERY STREET
San Francisco. 49:10

Home Miscellany.

"There is no place like HOME.
Home! It should be Heaven on Earth

Written for THE CALIFORNIA FARMER.

THEY FOR EACH OTHER DIED.

PHILMORE.

I can't say much about it,
But this I can say true,
He was a man, noble and good,
And did what he could do
For his poor old mother. Yes,
How often she has said,
"What should I do without him?"
But now they both are dead.
She was so bowed down with sorrow,
Said it must be for the best,
That he had gone before her,
That now he was at rest.
He never did complain,
But he labored long and late,
Not for his own great comforts,
But for his mother's sake.
Up at four in the morning,
By five he was away,
At his work upon the railroad,
Where he labored hard all day.
And what did he get? do you ask,
Well, 'twas very little I know;
But he said he needed the money,
And sick or well he must go.
He took a cold—a bad one—
And consumption followed fast,
So my poor boy was taken from me,
My youngest, best, and last.
When his hours of toil were over,
His smile our home would light;
But he never will return again,
He smiles in Heaven to-night.
Why am I left to mourn him,
Here in this world of sin;
He never can come back to me,
But I shall go to him.
So, she ceased her speaking,
And dropped her aged head;
Her fervent prayer was answered,
And she was with the dead.
We buried them together,
She by her husband's side,
Poor Jo is at his mother's feet—
They, for such other died.
I can say no more about it,
But what I say is true;
That he was good and noble,
And did what he could do.

Written for THE CALIFORNIA FARMER.

MOTHER'S BIRTHDAY.

ELLEN BUTTERFIELD.

Dear mother with another year of toil and care,
And a little more silver in her once gray hair,
Still patiently waits, but with tired feet—
For the Master's call, when life's complete.

Seventy-three years of time, has now,
Furrowed and seared that aged brow,
But still, brightly shine those loving eyes,
As she thinks of children and earthly ties.

I wonder sometimes, as I look in her face,
If she would again, with youth, take her place,
To battle once more with life's rude storms,
As she did long ago in youth's bright morn.

Would she with life's struggles again wish to cope,
Braving disappointments, and be flattered by hope,
Which make up our lives for good or for ill,
'Till o'er the troubled waters comes, "peace be still."

No! she surely cannot wish again to turn back,
To travel again the old rugged track;
When the bright radiance of the better land
Beckons her onward, with loving hand.

No! She is too near to home and to rest,
Her feet that have nearly the threshold pressed,
And she almost sees the rapture within,
Of the happy throng, all free from sin.

We shall miss her counsel, and each kindly deed,
Which she often gave us, in time of need,
And another link we shall miss in the chain,
'Till God shall gather us together again.

THE NEW MOON.

Dear mother how pretty
The moon is to-night,
'Twas never so canning before;
Her two little horns
Are so sharp and so bright
I hope she'll not grow any more.

If I were up there,
With you and my friend,
I'd rock it nicely, you'd see;
I would sit in the middle,
And hold on by both ends:
Oh, what a bright cradle 'twould be.

I would call to the stars
To keep out of the way,
Lest we should rock on their toes;
And then I would rock
Till the dawn of the day,
And see where the pretty moon goes.

And then we would stay
In the beautiful skies,
And through the bright clouds we would roam;
We would see the sun rise,
And see the sun set,
And on the rainbow come home.

If there is anything more poignant than a body agonizing for want of bread, it is a soul which is dying of hunger for light.

It is definitely settled that short dresses will be retained for street wear during the coming season, and that the skirts will rather more than clear the ground—in fact show the tip and heel of a very dainty and high-heeled boot.

A detestable fashion is that of plastering flat curls down upon the forehead with pomades. It is becoming to very few faces, is uncleanly, and takes all the natural lightness and brightness out of the front hair, which, when well arranged, does so much to heighten the charm or modify the defects of the face.

STORY FOR BOYS.

HEARTS AND HANDS.

One day a teacher said to his class: "Boys, you can all be useful if you will. If you cannot do good by great deeds, you can by little ones."

The boys said nothing, but the teacher saw by their looks that they thought he was mistaken. They did not believe that they were of any use. So he said:

"You think it is not so, but suppose you try it for one week."

"How shall we try it?" asked one.

"Just keep your eyes opened and your hands ready to do anything good that comes in your way all this week, and tell me the next Sabbath if you have not managed to be useful in some way or other," said the teacher.

"Agreed!" said the boys.

The next Sabbath those boys gathered round their teacher with smiling lips and eyes so full of light that they fairly twinkled like the stars. He smiled as he looked at them and said:

"Ah! boys, I see by our looks that you have something to tell me."

"We have, sir, we have," they said all together; then each one told his story.

"I," said one, "thought of going to the well for a pail of water every morning, to save my mother trouble and time. She thanked me so much and was so greatly pleased that I mean to keep on doing it for her."

"And I," said another boy, "thought of a poor old woman, whose eyes were too dim to read. I went to her house every day and read a chapter to her from the Bible. It seemed to give her a great deal of comfort. I cannot tell how she thanked me."

A third boy said: "I was walking along the street, wondering what I could do. A gentleman called me and asked me to hold his horse. I did so; he gave five cents, and I have brought it to put in the missionary box."

The next said: "I was walking with my eyes opened and my hands ready, as you told us, when I saw a little fellow crying because he had lost some pennies in the gutter. I told him not to cry and I would try to find his pennies. I found them, and he dried up his tears and ran off, feeling very happy."

"A fifth boy said: "I saw my mother was very tired one day; the baby was cross, and mother looked sick and sad. I asked mother to put the baby in my little wagon; she did so, and I gave him a grand ride round the garden. If you had only heard him crow and seen him clap his hands, teacher, it would have done you good; and oh! how much better and brighter mother looked when I took the baby indoors again!"—*Rev. Dr. Newton.*

CHILDREN'S GIFT TO LONGFELLOW.

The author of Evangeline recently celebrated his seventy-second birth-day, and a correspondent of the London *Athenæum* speaks of him as one of the class who never grows old. She adds: "His figure is erect and as perfectly proportioned as ever; his eyes are bright and clear; his whole face expressive of the joy of living. Yet he has been the busiest of men, this professor of the literatures of so many languages." Among his birthday gifts was an elegant chair which the children of Cambridge had ordered made from the wood of the old chestnut tree which overshadowed the old smithy referred to in "The Village Blacksmith." This exquisite gift from his little friends touched Longfellow deeply, and he sent them a poetic letter, in which he says:

And thus, dear children, have ye made for me
This day a jubilee,
And to my more than three score year and ten
Brought back my youth again.

The heart hath its own memory, like the mind,
And in it are enshrined
The precious keepsakes, into which are wrought
The giver's loving thought.

Only your love and your remembrance could
Give life to this dead wood,
And make these branches, leafless now so long,
Blossom again in song

The Mysteries of a Lump of Coal.

For years no one supposed that a lump of soft coal, dug from its mine or bed in the earth, possessed any other purpose than that of fuel. It was next found that it would afford a gas which was combustible. Chemical analysis proved it to be made of hydrogen. In process of time mechanical and chemical ingenuity devised a mode of manufacturing this gas, and applying it to the lighting of buildings and cities on a large scale. In doing this, other products or distillation were developed, until, step by step, the following ingredients are extracted from it:

1. An excellent oil to supply lighthouses, equal to the best sperm oil, at lower cost.

2. Benzole—A light sort of ethereal fluid, which evaporates easily; and, combined with vapor or moist air, is used for the purpose of portable gas lamps, so-called.

3. Naphtha—A heavy fluid, useful to dissolve gutta percha, India Rubber, etc.

4. An excellent oil for lubricating purposes.

5. Asphaltum, which is a black, solid substance, used in making varnishes, covering roofs, and covering over vaults.

6. Paraffine—A white crystalline substance, resembling white wax, which can be made into beautiful wax candles; it melts at a temperature of 110 degrees, and affords an excellent light. All these substances are now made from soft coal.

Cut this Out and Save Life.

Who does not value life? and who would not give all their wealth to *preserve health?* for this is life?

What is life without good health? a heavy, weary load of pain and sorrow.

BLOOD IS LIFE!

And the best blood purifier in the world is "David Clarke's Australian Liver Pills," there are no pills manufactured that surpass them in excellence, and are so certain a remedy for all evils that affect the liver or taint the blood—buy only DAVID CLARKE'S GREAT REMEDIALS.

HINTS ON BOUQUET-MAKING.

A bouquet seems an easy thing to make when all the flowers are so beautiful separately. Surely just to pick them and put in a vase is simple and easy enough, but alas! nature possesses a subtle secret for blending colors which we poor mortals cannot wrest from her. The moment we transfer them from their garden home to our drawing-room the charm is gone. Then experience comes to our aid and gives us the following hints. Don't crowd your flowers. Flowers have their individualities and affinities, which we must recognize and respect. For example, a spike of brilliant scarlet Gladiolus, with a feathery bunch of Asparagus, and a gleam of white Feverfew here and there, will light a shady corner like a torch, but another your stately blossoms with Phlox, Verbenas, and a host of floral beauties, you will see at a glance how the effect is weakened. Again, Petunias, with their stiff sprangly stems and delicate blossoms, are very difficult to combine with any other flower, but give them a wide-mouthed vase, and no rivals and they are positively graceful, while their delicate perfume fills the room with its fragrance.

MASS YOUR COLORS.

This is of great importance. Put your scarlets and crimsons, and purples in separate bunches, use white to blend them, and you cannot fail of good effect. Yellow is the sunshine of a bouquet, but it must be used sparingly, or it will produce a glare. A wise choice of this color always lends cheerfulness.

SAUCER BOUQUETS.

In making these you can use flowers too choice to pick up in quantities, and those not adapted to other bouquets, like the Balsam, Stock, etc.

A Fern-bed in some shady corner is a great help in giving lightness and relief to the solid flowers in this mode of arrangement. Rose-geranium leaves alternating with Fern-tips, make a beautiful edge about any shallow dish; next lay some stiff stems criss-cross on the water to prevent the blossoms sinking; then lay in Balsams, Pansies, a Tea-rose, or any dainty blossom that you have, being careful to have plenty of Sweet Alyssum or some fine white flowers to blend, and you will be charmed with the result.

When stemless flowers are used, like a Tuberose or a single flower from a truss of Geranium, stems can be made of matches, tooth-picks, or coarse broom, splints, and the blossom tied or wired on.

A low glass dish filled with damp moss, edged with Geranium leaves and filled in with Sweet Alyssum for a ground work, then Pansies stemmed in the above manner and set star-like against the whiteness, makes the loveliest centre-table ornament one can have. By saturating with fresh water such a bouquet will keep its freshness much longer than ordinary bouquets. A large shell filled with damp sand, and Smilax, Kenilworth Ivy, or any fine creeper falling over its edge, a few trusses of Verbena, some Golden Calliopsis and a dash of white will throw a glow of brightness from a bracket-shelf.

CUTTING FLOWERS FOR BOUQUETS.

Provide yourself with a tin basin having a little water in it. Cut your flowers, never break or pull them; it bruises the stems and hastens decay. Stand your flowers up in the dish and put all of one color together, carefully, then when ready to begin combining you can readily see what you have to work with and make your selection without tumbling them over. The water prevents them from wilting. Flowers picked in a warm summer morning and carried closely in the hand while gathering will be so wilted that they will take a long time to revive.

In chosing vases select delicate white or some neutral tint, no gaudy color, for the flowers should be the point of color, not the vase.—MRS. J. B. ROOT, in *Ladies' Floral Cabinet.*

Clerkships at Washington.

The recent decapitations at the Capitol, which have turned adrift several worthy men after years of faithful service unfitted for other pursuits and almost penniless, recall the advice given to a young applicant for office by Tom Corwin when Secretary of the Treasury. "My young friend," said Corwin, "go to the Northwest, buy 160 acres of government land, or if you have not the money to purchase, squat on it; get you an ax and mattock, put up a log cabin for your habitation, and raise a little corn and potatoes; keep your conscience clear and live like a freeman, your own master, with no one to give you orders and without dependence upon anybody. Do that and you will be honored, respected, influential and rich. But accept a clerkship here and you will sink at once all independence; your energies become relaxed, and you are unfitted in a few years for any other and more independent place. I may give you a place to-day and turn you out again to-morrow; and there's another man over there at the White House who can turn me out, and so we go. But if you own an acre of land it is your kingdom, and your cabin is your castle; you are a sovereign, and you will feel it in every throbbing of your pulse, and every day of your life will assure me of your thanks for having thus advised you."—*From a Washington Letter.*

The Noise of the Finger.

In the current number of the *Medical Record*, Dr. Hammond says that when you poke the end of your finger in your ear the roaring noise you hear is the sound of the circulation in your finger. This is a fact, as any one can demonstrate for himself by first putting his fingers in his ears, and then stopping them up with some other substance. Try it and think what a wonder of a machine your body is, that even the point of your fingers are such busy workshops that they roar like a small Niagara. The roaring is probably more than the noise of the circulation of the blood. It is the voice of all the vital processes together—the tearing down and building up processes that are always going forward in every living body, from conception to death.

Adversity is the trial of principle. Without it, a man hardly knows whether he is honest or not.

GRAND TRIUMPH FOR EUCALYPTUS.

EUCALYPTUS WILL CONQUER DISEASE.

We publish the following strong TESTIMONIAL in favor of the GRAND REMEDIAL POWER of the Eucalpytus, prepared by DAVID CLARKE, CHEMIST, of Australia.

This Testimonial comes from a prominent Merchant of this City, whose name is with us for reference for all who suffer and would be relieved.

SAN FRANCISCO, April 7, 1870.

EDITOR CALIFORNIA FARMER—*Dear Sir:*

Some time ago I had the misfortune to sustain a dislocation of the shoulder received from a fall, and while I was suffering the most acute pain as the effect of it, so much so as to be deprived of my sleep nights, I met my old friend, Col. Warren, who presented me with a bottle of "Eucalyptus Oil" saying as he did so, "try it," "bathe the shoulder and arm well, and on retiring saturate a cloth with the oil, and bind it to your shoulder, and you will have no more sleepless nights on account of pain from that." I followed the Colonel's directions, and must say that the Eucalyptus Oil will do all that is claimed for it as an alleviator of pain (rheumatic and otherwise) and more too.

A preparation made from the Eucalyptus Tree, by frequent ablutions of the eyes will restore weak eyes to strong ones and positively restore the sight as good as ever to people whose eyes are failing, if they will keep their body in good condition by the use of Eucalyptus Pills—while using the eye wash.

Yours truly, G. H. B.

N. B.—There are many compounds made in this State, yet however good, the *genuine* Remedials are those prepared by David Clarke, Warwick, Australia, for sale by Warren & Co., Agents.

WE LIVE AGAIN.

We hail with very great pleasure one of the oldest, most earnest and enthusiastic editors of our country into his new field of labor as a Journalist, and we also hail *Moore's Rural Life* to our exchange List as a grand proof of what can be done when the *heart of a man is in his work.*

MOORE'S RURAL LIFE.

It is not only a pleasure but a duty to welcome this *new Illustrated Journal* and give it a hearty "God Speed" and the best words we can use to set this Journal properly before our readers and describe it justly will be to give the words of the publisher so aptly and happily done in his circular note to us, which we here append:

COL. WARREN—*Dear Sir:*

Herewith we send you No. 1 of *Moore's Rural Life*, a periodical designed to promote the Home Interests of such City, Suburban Village and Country Residents as delight in Flowers, Fruits, Shrubs, Landscape and Kitchen Gardening, and those pleasant adornments and surroundings which render life enjoyable, whether in Cottage, Villa or Mansion. Please do us the favor to give it an examination, and such notice as its Contents and Appearance may in your judgment, merit.

Commencing this new departure in American Journalism "with malice toward none and good will to all"—and, moreover, with an earnest desire to be of substantial service to the large and rapidly augmenting class specially addressed—we hope not only to be welcomed by the Press and People, but to re-establish our former and long-time pleasant relations therewith.

Fraternally Yours,
D. D. T. MOORE.

We have received the number sent us and confess our surprise at the truly elegant style in which this Journal has been issued.

This Journal is of royal size, 16 by 12 and of 24 pages, with an illustrated cover finely and artistically designed, the present number having 30 illustrations upon its pages, many of them truly elegant, all instructive.

The editorials and all its reading matter is of high order, paper and typography all just what we should expect from Mr. Moore, who as the founder of *Moore's Rural New Yorker* has been a noble worker in the cause over *twenty-five* years.

We cannot close this notice of our worthy cotemporary who has labored so long and well to advance the best interests of country and rural life, without expressing our most earnest hope that this his *new Journal* destined to be the crowning work and labor of his mature years, shall meet with the most unbounded success, and that his patrons shall enroll their names by hundreds, each day coming more and more, until the daily mails shall sing it MOORE and MOORE.

Our wish for our friend would be:

From over the mountains and over the moor
Each mail brings subscriptions unto your door
Cheering you onward with their golden treasure
Thus making your labor only a pleasure,
Cheering you onward to good old age
And justly rewarded most venerable sage.

The following words of an excellent writer we append as appropriate to our worthy Cotemporary:

"Do thou the good thy thoughts oft meditate
And thou shalt feel the good man's peace within
And after death his "wreath of glory" win."

French and English Women.

A stranger in France is surprised to meet women where he expects to meet men. The bashful American gentleman hardly knows what to say when a woman presents herself to receive his orders for boots or shirts. "In the commercial class in Paris," says a writer, "the man always appeals to the woman; the woman always steps forward. The woman proposes the conditions of a bargain. . . . She takes you in hand; she proposes conditions; she narrows down the bargain; she thinks of things that he would not have thought of."

An English lady performs household duties which many American women would deem intolerable. She is economical, too, no matter how wealthy her husband may be, and keeps an expense-book; in which every penny of expenditure is set down. Each child has an allowance and a blank-book, and is taught bookkeeping, at least so much of it as may be learned from keeping exact personal accounts. Not unfrequently the daughter is the family bookkeeper, and learns to check, endorse and file bills, to balance accounts, and to make out a balance-sheet which shall present a clear statement of income and expenditures. Two national traits, economy and work, explain the fact that a little island supports twenty millions of Englishmen.

Children are travelers, newly arrived in a strange country; we should therefore make conscience not to mislead them.

SHERMAN & HYDE,

WHOLESALE AND RETAIL

MUSIC DEALERS,

CORNER KEARNY AND SUTTER STS.,

San Francisco.

WEBER PIANOS

.... ARE ....

THE BEST.

What the Great Musicians and Singers say of them.

NEILLSON. I shall take every opportunity to recommend and praise your instruments.

KELLOGG For the last six years your Pianos have been my choice for the Concert Room, and my own home.

PATTI. I have used the Pianos of every celebrated maker but give yours the preference over all.

STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

WEILL. Madame Parepa called your Pianos the finest in the United States. I "fully endorse," that opinion. They have no "rival anywhere."

MILLS. Amongst the many excellent Pianos made in the city, the Weber ranks foremost.

LUCCA Your Uprights are extraordinary instruments and deserve great success.

MURSKA. Your instruments surpass my expectations and I rank you justly as the Foremost Manufacturer of the day.

GODDARD. Your Instruments have no "superior" anywhere. I certainly have not seen any Pianos in America which approach them even

The Cottage Gem Piano,

Is 7 Octave. Serpentine Mouldings. Carved Legs, and is the BEST PIANO in the market for the price.

$350.00.

The Standard Organ

Has a Beautiful Case, full, rich tone, and for durability

Excels all Others!

.... FOR ....

Sheet Music, Music Books,

OR ANY ARTICLE IN THE

MUSIC TRADE,

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44:21 SAN FRANCISCO.

Santa Clara College, S. J.

SANTA CLARA, CAL.

THE TWENTY-SEVENTH ANNUAL SESSION OF THIS Institution will be resumed Thursday, January 5.

This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It occupying six large buildings with extensive shady playground covered gymnasiums, swimming pond, etc.

It possesses a most complete philosophical apparatus, and valuable collections of mineralogy and geology. It has also practical schools of Assaying, Surveying, Telegraphy, Photography, and Commercial business. For the latter a new building 150x40 has just been finished that leaves nothing to be desired.

Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course.

TERMS—(Payable semi-annually in advance) Matriculation fee, to be paid but once .... $ 15.00
Board, Lodging, Tuition in all branches, Washing and Mending of Linen, School Stationary, Medical attendance and Medicine, Baths, etc., per session of ten months.... $250.00

For further particulars apply to the President of Santa Clara College, or to St. Ignatius College, 841 Market Street, San Francisco

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Do you want to employ your leisure time satisfactorily? send for an agency for your locality for one or more of following valuable books:—

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Send for full particulars. In every neighborhood there is a demand for good books. Ladies will find this a remunerative business. Address

A. L. BANCROFT & CO.,
SAN FRANCISCO, CAL.

Miscellany.

Gatherings along the way side,
Floating gems by every tide.

I'LL PUT IT OFF.

Some little folks are apt to say,
When asked their task to touch,
"I'll put it off at least to-day,
It cannot matter much."

Time is always on the wing—
You cannot stop its flight;
Then do at once your little tasks,
You'll happier be at night.

But little duties still put off
Will end in "Never done;"
And "By-and-by is time enough,"
Has ruined many a one.

PROSPECTS OF THE ELECTRIC LIGHT.

The proposition in the Board of Aldermen that experiments be made with the electric light in some of the parks and squares of the city comes rather late in the day, inasmuch as the practical questions involved have already been tested, or are undergoing very thorough tests in Europe. As we have permitted the foreigners to get a long way the start of us in this matter, we may as well leave him the expense of preliminary experiments and content ourselves with profiting by the results, if there appears to be any profit in them. At all events, it will hardly be worth our while to go experimentally over precisely the same ground, and attempt to settle points which are already settled. If we do anything about it, we should step in ahead of what has already been accomplished and make some new advances.

For more than a year experiments have been going on in Europe, and especially in England and France, and many new inventions and improvements have been introduced, while on this side of the Atlantic we have done little more than accept the rosy promises of the wizard of Menlo Park, and wait for developments that have thus far failed to appear in practical shape. There are nearly a dozen different "systems" of electric lighting already in operation, involving about an equal number of machines for generating the currents and contrivances for producing and diffusing the illumination. That the process is practicable for public thoroughfares, open spaces out of doors, harbors and docks, and large in-door establishments, is amply proved, as it has been successfully employed for months in Paris, Havre, London, Woolwich, and elsewhere. That the degree of illumination is vastly greater and more effective than that now in common use is also sufficiently settled, but very many desirable things in the world are better than others and yet do not displace them, for the simple reason that they cost much more. Here after all, is the most practical of all the practical questions. We can, no doubt, have a far more brilliant illumination than we have been accustomed to, if we are willing to pay for it. Let it come without increase of cost, and it will have an enthusiastic welcome; but if it is to be expensive, it will be looked upon as a luxury that we can do without, and its use will be restricted. Where a great show of light may be a profitable attraction, it will be used; where it can serve a profitable purpose of any kind that cannot be more cheaply obtained, it will be adopted; but for ordinary, every-day purposes, where economy is a controlling consideration, it can make its way only by being as cheap as that which it proposes to displace.

There have been many bold statements by sanguine inventors and persons interested, to the effect that the electric light will cost even less than our present means of illuminating, but they have thus far failed to demonstrate it. As shown recently in the report of the Municipal Council of Paris, the experiments there with the Jablochkoff system prove that the same amount of light costs considerably more than twice as much when produced by electricity as when generated by gas. The Borough Engineer of Liverpool some time ago visited Paris, and investigated the matter, and his report was that the illumination of the Avenue de l'Opera cost twenty-one times as much as the ordinary lighting of a similar area in his own city at present, and six times what it would cost to get from gas the amount of illumination that flooded the Paris thoroughfare. One of the London gas companies has been spurred up by the threatened competition of electricity to make experiments on improved lighting with gas. While the experiment is in progress on the Thames Embankment and in the Holborn Viaduct with the Jablochkoff electric candle, the company has obtained the necessary privileges for instituting a comparison on Waterloo-road, from a bridge to the railway station, a distance of 500 yards. The portion of the thoroughfare, under the old system, was lighted by twenty-two ordinary gas lamps, furnishing an aggregate illuminating power of 264 candles, and costing the parish about $455 a year. The improvement consists in increasing the number of lights to 48, shortening the posts by two feet, and adopting a new lamp with a reflector over the same. As an important crossing there are two lamps of the extraordinary power of 200 candles each, and four of 100, and near the foot of the bridge there are four others of 50 candle power, the rest being of 15 candles each. The result is a very superior illumination, equivalent in the aggregate to 1,720 candles, against the former 264, and costing at the rate of nearly $2,920 a year, instead of $455. But it is shown that it would cost fully ten times as much to light the same space by the system now being tested on the Thames Embankment.

Thus wherever a fair comparison has been instituted thus far, the advantage remains decidedly on the side of gas, so far as the question of cost is concerned, and that is and will continue to be the main question. In exceptional cases, figures have been given to show that electricity is the cheaper means of illumination, as in the case of some large New England manufacturing establishments, which had to make their own gas. Then, of course, there may be situations in which the greater attainable degree of brilliancy is in itself important and worth the expense. Mr. Edison has made glowing promises of carrying the electric light effectually indoors and reducing the cost below that of gas, but until he goes beyond the stage of promises we have to leave him out of the account. As the case stands at present, the electric light is proved to be altogether practicable for out door lighting, and for large in-door establishments, that can maintain their own apparatus; to afford a far more brilliant and effective illumination than gas; and to be vastly more expensive.

Tall Gum Trees.

The rapid growth of the Eucalyptus trees in our State, growing as the Queensland Commissioner, Angus Mackay said, more rapidly in California than in their native soil, should now have the special attention of all who grow these trees.

There is no tree grown that can be more readily or quickly shaped while growing than the Eucalyptus tree, and no one that will pay better to grow than this species of tree, many of the varieties being graceful in form, foliage and blossoming, it should be borne in mind that there are more than ONE HUNDRED AND FIFTY distinct varieties of this celebrated tree, varieties too, the most remarkable in character, quality and value in their properties, and the more these are studied and known the more these trees will be esteemed.

MAIN & WINCHESTER

Nos. 214 and 216 Battery Street,

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No. 35.
ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47:20

SAN FRANCISCO CORDAGE CO.

ESTABLISHED 1856.

Have constantly on hand a full supply of all kinds of Manilla and Sisal Rope—manufactured from the pure Fibres—and by the latest improved machinery. All our Manilla Rope GUARANTEED

HAY ROPE.

The special advantages of Rope for baling purposes, are the uses to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for Halters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when baled with Rope.

FOR SALE BY ALL DEALERS.

TUBBS & CO.,
611 AND 613 FRONT STREET,
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A GOOD PLAN.

Anybody can learn to make money rapidly operating in Stocks, by the "Two Unerring Rules for Success," in Messrs. Lawrence & Co.'s new circular. The combination method, which this firm have made so successful, enables people with large or small means to reap all the benefits of largest capital and best skill. Thousands of orders, in various sums, are pooled into one vast amount and *co-operated* as a *mighty whole*, thus securing to each shareholder all the advantages of the largest operator. Immense profits are divided monthly. Any amount from $5 to $5,000, or more, can be used successfully. *N. Y. Baptist Weekly*, September 26, 1878, says, "By the combination system $15 would make $75, or 5 per cent.; $50 pays $350, or 7 per cent.; $100 makes $1,000, or 10 per cent. on the stock, during the month, according to the market." *Frank Leslie's Illustrated Newspaper*, June 29: "The combination method of operating stocks is the most successful ever adopted." *New York Independent*, Sept. 12: "The combination system is founded upon correct business principles, and no person need be without an income while it is kept working by Messrs. Lawrence & Co." *Brooklyn Journal*, April 29: "Our editor made a net profit of $101.25 from $20 in one of Messrs. Lawrence & Co.'s combinations." New circular (mailed free) explains everything. Stocks and bonds wanted. Government bonds supplied. Lawrence & Co., Bankers, 57 Exchange Place, N. Y. 49:10

FARMERS AND BUILDERS

SHOULD USE

H.W. JOHNS' ASBESTOS

LIQUID PAINTS, ROOFING, BOILER COVERINGS,
Steam Packing, Sheathings, Fire Proof Coatings, Cements.
SEND FOR SAMPLES, ILLUSTRATED PAMPHLET AND PRICE LIST.
H.W. JOHNS M'F'G Co., 87 MAIDEN LANE, N.Y.
PACIFIC COAST BRANCH,
FRED M. PATRICK, Manager,
5 First Street, San Francisco.
49:6 3m

Farmers' Accounts.

WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer.

A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to all—handsomely got up and finely bound. Price, $2.50, worth ten times the cost. 45:21

$1 A BOTTLE

—FOR—

CLARKE'S EUCALYPTUS OIL,
Sure Cure for Rheumatism.

For Sale at 320 Clay Street.

THE
Queensland Almanac.

LAW CALENDER AND DIRECTORY
FOR 1879,
For Brisbane, Queensland.

TWENTY-EIGHT YEAR OF PUBLICATION

A complete Directory of all the Interests of Queensland—A valuable work of over 500 pages.

Price, $1.50 Mailed.

For sale at THE CALIFORNIA FARMER Office, Warren & Co. Agents for Publishers.

TO INVENTORS AND MECHANICS.

Patents and how to obtain them. Pamphlet of 60 pages free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 31,
Washington, D. C.
48:19 tf

THE BEST WAGON ON WHEELS

IS MANUFACTURED BY

FISH BROS. & CO.,

RACINE, WIS.

WE MAKE EVERY VARIETY OF

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And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

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First-Class Improved Machinery and the Very Best of Selected Timber,

AND BY A THOROUGH KNOWLEDGE OF THE BUSINESS, WE HAVE JUSTLY EARNED THE REPUTATION OF MAKING

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We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ———, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {Titus W. Fish, Edwin B. Fish, Jno. C. Hodges,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. Send for Prices and Terms, and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.

—OR—

GEO. A. DAVIS,

Manfacturers' Agent for Pacific Coast,

327 MARKET STREET,

48:17 SAN FRANCISCO.

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS

To all Parts of the United States.

J. F. FARNWORTH. - - - - - - - - - - M. T. BREWER.

ADVERTISERS ABROAD AND AT HOME.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows:—All line advertisements will be ONE DOLLAR for Five Lines, or less, Nonpareil, *first insertion*; larger space, *Fifteen Cents per line*, each subsequent insertion, *Ten Cents per line*. This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $30.00.

For one-eight of a column, three months.....$15.00 | For one-half of a column, three months. 50.00
For one-quarter of a column, three months ..... 30.00 | For an entire column, three months . . 100.00

For a six months, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable; the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rate

WARREN & CO., Proprietors,

320 CLAY STREET, SAN FRANCISCO.

COMMISSION

SALES-ROOM,

—AND—

Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass o purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, o for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and eve y article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

BOOKS---SEEDS---TREES

All rare and choice things can always be purchased as above.

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE,

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 5 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED.

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine Patent Bee Hives of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,

320 Clay Street,

SAN FRANCISCO.

EUCALYPTUS OIL.

The pure EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Liniment for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Liniment is needed, as it has been proved to be the best Liniment known.

FOR SALE,

Wholesale and Retail,

WARREN & CO.,

320 Clay Street,

AGENTS FOR DAVID CLARKE'S REMEDIALS.

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill*" this we cannot do without CASH, or a special understanding before hand.

WARREN & CO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, June 26, 1878.

Money and Exchange Tables.

Exc. on England, new style, long and short	4 89 a 4 90
Gold, at par	— 1 00
Silver, at par, in sums of	—20 00½
Value of Greenbacks, equal to Gold.	— 1 00
Value of Wheat in Liverpool	9s 4d a 9s 2d.
Value of Club Wheat in Liverpool	9s 1d a 9s 4d.
Value of Wheat in New York, bushel	1 05 — 1 18
Brewers Barley in New York, bushel	80 — 1 00
Wool in New York	30 — 30

MONEY AND EXCHANGE TABLES.

The *Money Market* is to some an enigma, for while money was never more abundant and millions seeking investment among business men generally, it is much needed for the regular business carried on.

Large amounts are being daily placed in U S securities at 4 per cent, yet banking rates are 9 to 12 per cent, this cripples business and checks all the enterprises of the day.

Real estate finds little or no sale, no new buildings of any note, no new manufactures starting, and general trade dull and at a stand still, and this is attributable to the action of politicians, who are keeping the community in a continual state of excitement—while hope holds out, small promise yet.

England, France and Germany hold full coffers, and the United States Treasury holds as much as them all, as the U S Treasury has now approximating $500,000,000 under control, and this is the cause of the apathy of trade in many portions of our country.

France, Germany and England has an immense amount of treasure in their vaults, and estimated as under their control at one thousand million of dollars.

This drain of gold from the people to the vaults of "Uncle Sam" of course checks trade and business, and until a new move is made, and a circulation of this vast hoarded amount begins, business must be stagnant, and we cannot expect it otherwise.

The rates of money in all Europe are low, low in New York, here rates have advanced.

It is remarkable indeed the steady rise of United States 6 per cent bonds, soon they will reach 5 per cent premium.

GRAIN AND FLOUR MARKET.

The *Grain markets* are very quiet, there is that same dull ness in the grain trade that pervades all kinds of business, very small amount comparatively of grain received and but little going abroad, the price of grain is the same as last report, the news from Europe does not excite to export, the crops in Europe are of very fair promise and with a large stock on hand, while even France has a surplus to export to England.

There can be no advance on grain here, for our new crops are now coming in, and the growers of grain must realize for them, as it cannot be doubted that much of it is hypothecated, and the sooner it is sold the better for all.

The harvest will be a good average crop, and the quality of the grain will be generally excellent: there are some few counties, where, in portions of them, crops may run light, but when the system of culture is scrutinized, it is found poor culture, worn out soil, or late planting is the cause of short crops.

The *Flour market*, though firm, is not very active, some export trade, generally home consumption.

The *Wheat Market* steady in value as before—some very extra for extra flour commands $1.72½ per central, other grades, no change, but tending downward.

Barley remains dull and at low figures—*Oats* still as last quoted, little demand and price downward—*Corn* steady and plenty.

Rye and *Buckwheat* no great demand, prices as before.

All Feed Stuffs, such as *Bran, Middlings, Ground Barley, Corn Meal, Oil Cake Meal*, are as last quoted, with steady demand and sale.

The *Hop market* is as for some time past, at a very low ebb, and prices low, in fact no demand at home or abroad.

The *Honey market* well stocked, prices low, yet a good demand for choice white honey, strained honey low—*Beeswax* lower.

The *Market* for *Potatoes* is a little over supplied and prices shade off—some choice kinds such as Early Rose are quicker of sale—a new crop of this species are on market and sell ready at $1 to $1.25 per central, others lower—*Onions* from Chicago sold at $6, home, new crop, now and lower.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 40 — 1 50
do Choice do.	1 60 — 1 62
do Milling do.	1 62 — 1 70
Barley, per 100 lbs., feed	60 70
Barley, for brewing, (Chevalier)	1 05 — 1 15
Rye	55 — 60
Oats, California, per 100 lbs	1 30 — 1 62½
Corn, do. do.	70 — 80
Flour, Superfine, per bbl	4 00 — 4 25
do. Extra	4 25 — 4 50
Extra Flour for shipping	5 00 — 5 25
Very Extra Family Flour	5 25 — 5 75
Oregon Superfine	4 00 — 4 25
do. Extra for Shipping	4 75 — 5 25
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 20 — 1 40
Bran per ton	13 50 — 14 00
Middlings per ton	17 50 — 18 00
Ground Barley	15 00 — 19 00
Oil Cake Meal, for feed, per ton	—32 00
Beans, per 100 lbs, various	1 75 — 3 00
Beans, Lima	5 50 — 7 00
Potatoes, common	30 — 40
Potatoes, choice	75 — 90
Early Rose	1 00 — 1 25
Sweet Potatoes	—
Onions, new	75 — 90
Hay per ton, ordinary	6 50 9 00
Hay per ton, extra	11 50 —13 00
Wheat Hay	12 50 —13 00
Alfalfa Hay	—
Straw per ton	4 00 — 5 00

Retail Prices in the Fruit Market.

The *Fruit market* shows a good supply, Cherries show splendidly—Peaches improve in size and quality—Currants fine—Raspberries plenty and low—Blackberries more plenty—Gooseberries, Plums, and Apricots are liberal in supply and ready sale—new Apples and Pears are in better quality—fresh Figs are more plenty.

Oranges from the Islands, are the principal supply, Bananas plenty and cheap, Nuts, Raisins, etc., good supply.

Apples, per box	40 — 75
do. do. lb	5 — 6
Pears, per box	75 — 1 00
" per lb	6 — 8
Figs, dried, per lb	12 — 15
Fresh Figs, per lb	10 15
Tahiti Oranges, per doz.	20 — 30
Lemons, imported, do.	30 — 50
Limes, do. do.	20 — 25
Pine Apples, each	75 — 1 00
Bananas, per bunch	2 00 — 3 00
California Oranges, per dozen	10 — 40
" Lemons, "	30 — 40
" Limes, "	15 — 25
Cherries	10 — 25
Strawberries	5 — 10
Raspberries	12 — 15
Currants	8 10
Gooseberries	10 12
Persimmon	20 — 25
California Walnuts, per pound	8 — 12
Almonds, hard shell, per pound	12 — 15
do. soft shell, do.	16 18
Foreign Pecan Nuts	12 15
Madeira Nuts	12 15
Foreign Brazil Nuts	15 — 20
Filberts	12 — 15
Chili Walnuts	7 — 10
Pea Nuts	5 — 10

Retail Price in the Vegetable Market.

The *Vegetables Market* keeps up a goodly show of all that any housewife could ask, the supply of choice peas, string beans, shell beans, corn, cucumbers, tomatoes, and every other good thing gives all that is needed for a goodly dinner.

Asparagus	5 — 8
Artichokes, (French) per doz.	15 — 20
Tomatoes, per lb	5 — 8
Beets, per doz	8 — 20
Broccoli, each	5 — 10
Cauliflower	5 — 10
Cabbage, do.	5 — 25
Carrots, per doz.	75 — 1 00
Celery do.	— 75
Celery Root per dozen	10 — 12
Cress, per dozen bunches	60 — 80
Cranberries, per gallon	30 — 40
Dried Herbs, per doz.	4 — 5
Green Peas, per lb	12 — 15
Lettuce per doz. bunches	6 — 6
Onions per lb.	12 — 15
Horseradish, per lb	—
Okra, green, per lb	— 50
Okra, dried, per lb	1½ — 2
Choice Potatoes	2 — 3
New Potatoes	1 50 — 2 00
Potatoes choice, per 100 lbs	2 — 3
Kidney Potatoes, per lb	1½ — 2
Pumpkins	— 20
Parsnips, per doz. bunches	— 20
Salsify, do. do.	15 — 20
Parsley, do. do.	40 — 60
Pickles, per gallon—	5 — 6
Radishes per doz. bunches	4 — 5
Rhubarb, per lb	2 — 3
Squash, Marrow'fat	3 — 5
do. Hubbard	5 — 10
Lima, Dry	6 — 8
String Beans, per lb	— 5
Spinage per lb	4 — 5
Salsify, per bunch	— 20
Turnips, per doz	8 — 10
Garlic	15 — 20
Eschalot	8 — 10
Mushrooms	

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea. Our salmon beat the world for this choice fish—some extra fish are now in market.

Salmon have been selling to our markets as low as 25 to 50cts. for a whole salmon, and in Oregon they use salmon to manure their orchards.

Salmon ₱ lb	4 — 6
do smoked new	10 — 12
do pickled, ₱ lb	6 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Halibut	— 10
Smelts, per lb	— 10
Perch do.	— 10
Rockfish do.	— 10
Codfish, dry, per lb	— 8
Herring, fresh per lb	— 25
do smoked, ₱ doz	— 12
Tomcod, per lb	— 10
Sardines, fresh, per lb	15 — 20
Solefish, per lb	— 25
Mackerel pickled, each	8 — 10
Shrimps, per lb	12 — 15
Flounders do	20 — 25
Sea Bass do	40 — 50
Halibut do.	2 — 4
Sturgeon do	30 — 40
Turbut do.	2 50 — 3 00
Terrapin, ₱ doz	— 2 50
Pompono do.	— 25
King Fish do.	12 — 15
Anchovies do.	2 00 — 2 50
Frogs, per doz.	

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market. Oysters are showing nice and fat and the public appetite now craves this delicious bivalve. Every day a grand show in our market—If you desire the choicest of these luxuries, go to Geo. Mayer in California Market.

Oysters ₱ 100 choice	60 — 75
Chesapeake oysters per dozen	50 — 75
Crow Fish, per lb	12 — 15
Clams per 100	50
Mussels do	— 25
Crabs, boiled, each	— 25
do. soft, per doz.	— 50

Retail Meat Market.

The *Retail Meat market* furnishes all the choicest kinds at unusually low figures for this season of the year, and thus is an unusual full market.

Porter House	16 — 18
Porter House, extra	18 — 20
Beef, tenderloin, per lb	15 — 16
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	5 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	10 — 12
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	10 — 12
Beef tongues, each	— 75
Pigs tongues, each	— 15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do no sugar cured	15 — 16
Hams, California	13 — 15
Choice hams, Duffield	15 — 16
Whitaker, St. Louis, Mo	15 — 18

Poultry and Game Market.

The *Poultry market* is well supplied and full up to the demand—yet prices remain steady as before.

RETAIL PRICES.

Ducks tame each	75 — 90
Geese tame, per pair	2 00 — 2 50
Broilers	40 — 50
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	22 — 25
Pigeons, domestic, per doz	4 00 — 4 50
Hares each	25 — 28
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00

Poultry and Game—Wholesale.

Broilers, per doz	3 00 5 00
Large Chickens, per doz	6 00 — 7 00
Hens, per doz	6 00 — 7 50
Turkeys, dressed, per lb	16 — 18
Ducks, tame, per doz	5 50 — 7 00
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Rabbits, tame, per doz.	1 50 — 1 75
Squirrels, per doz.	75 — 1 00

Retail Dairy Market.

The *Dairy market* is filling up beyond the demand, and a large amount is being packed down, both here and in the country, with prices ruling low.

Butter, California, Extra Choice per lb	25 — 30
do. do. for (Cooking) do	20 — 22
do. do. packed best roll	23 — 25
do. do. Eastern	20 — 25
California Eggs, per doz	23 — 25
Oregon	— 23
Duck Eggs, do	— 30
Farmlone Eggs, per doz	15 — 20
Cheese per lb	25 — 30
do. Sage, per lb.	25 — 32
Eastern Cheese, do.	15 — 18
Lard, California, per lb	— 15
Lard, Eastern, do.	10 — 11½
Honey, Comb	8 — 10
do. Strained	— 20
Vermont Maple Sugar, per lb.	

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb. (Fresh)	21 — 23
do. Packed Roll, do.	18 — 20
Eastern Butter	15 — 18
Cheese, California, per lb	10 — 13
California Eggs, per doz	20 — 23
Eastern Eggs, per doz	18 — 19
Duck Eggs, "	18 — 20
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	13 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging market* is in an unusual condition for trade, for when it was expected bags would go up, they go the other way—the depression and lessened sales must entail a loss upon some parties, and with expected arrivals between two and three million bags soon the market will be tested.

Grain bags are now a cash article when sold, and our grain growers that have the ready cash can make a saving—gunny bags more plent, price steady—wool bags full supply.

Messrs. Neville & Co., the extensive bag manufacturers, 23 California Street, can supply our farmers at the lowest rates and on best terms.

Hand Sewed Bags, Standard, 22 x 36 com. prices	9 — 9½cts.
Second Hand, Extra	8 — 8½ do
Machine Sewed, 22 x 36	8½ — 9 do
do. do. 20 x 36	— 8½ do
Barley Bags, 22 x 40	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— 8½ do
Wool-sacks, new	45 — 50 do
do. second hand	40 — 45 do
Potatoe Gunnies, Double Sewed	13 — 13½ do
do. do. Second Hand	10 10½ do
Flour Bags, quarters	4½ — 5 do
do. halfs, six qualities	7 — 9 do

Staple Home Products.

The *Home Products* of our State are telling upon our markets by a lessened importation, and we must keep our markets well supplied with the best raisins, figs, dried fruits, nuts, oranges, lemons, etc., we must grow and make the best, and supply all demands from abroad.

Flax Seed, per lb	2½ — 3
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	3 — 3½
Castor Oil No 1 Diamond in cases, per gallon	— 1 50
" " " barrels "	— 1 40
Castor Oil, No. 2 Diamond in cases per gallon	— 1 30
" " " barrels "	— 85
Linseed Oil, Boiled	— 80
do. Raw	— 78
Cocoa Oil	— 55
Hops, California	3 — 8
Alfalfa	10 — 12½
Mustard Seed	2 — 3½
English do.	4 — 5
Canary Seed	2½ — 3½
Coriander Seed	8 — 10
Broom Corn	3 — 5
Bees Wax	24 — 25

California Leather Market Report.

The *Hides, Leather* and *Tallow markets* are improving at the East, this gives a better outlook here—leather and hides have advanced and are quicker sale at the East, and more expert trade is waking up, this has advanced the rates of hides and leather there and to some extent here also.

California Sole Leather	20 — 26
do. Harness do.	28 — 30
do. Skirtings,	30 — 37½
Bridle Leather	4½ — 6
Rough do. Oak Tanned	18 — 22
Waxed Calf Skins	50 — 1 00
do. Kips do. per dozen	30 00 —55 00
do. Leather per foot	18 — 15

Wool, Tallow, Hides, Etc.

The *Wool Market* is very firm with prospective higher rates in the future, all choice wool finds ready sale at quick and growing demand at the East, all choice wools will be high.

Wool, Spring Clip	16 — 20
do. Choice Extra	28 30
Fall Clip	16 — 18
Oregon Wool, per lb	25 — 30
Medium, bright	18 — 20
do. Burry	12 — 15
Goats' Wool (mohair)	30 75
Dry Hides, per lb.	16 — 18
Green Salted, per lb	7 — 10
Deer Skins	60 — 1 00
Sheep Skins, wool on	25 — 75
do. do. plain per dozen	1 50 5 00
Goat Skins, each	60 — 1 00
Tallow various grades	5½ — 6
Tallow, refined	7½ — 9

Average Slaughtering Prices.

The *Wholesale Meat Market* is abundantly supplied—but at low prices—the abundance of feed gives good meats, and at cheap rates.

Beef, American, 1st. quality	6 — 7 cts
do. do. 2d. do.	4 — 5 do.
do. do 3d. do.	3½ — 4 do.
do. do 3d. do.	5 — 8 do
Veal	4 — 4½do
Mutton	5 — 6 do
Lamb	3½ — 4½do
Pork, Undressed	5 — 6 do
do. Dressed	

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED ACCOMMODATIONS for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU July 7th, and every fourth week thereafter.

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports, also, HAVANA and all WEST INDIES ports on 5th and 19th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

47 6

Central Pacific Railroad.

Notice to Shippers.

Please take notice that this Company will maintain, for transaction of business in Oakland, TWO STATIONS, viz:

MARKET STREET AND SIXTEENTH STREET

and to avoid delays we would request shippers to state on receipt, name of station to which freight should be delivered; as in the absence of same all consignments will be taken to Market Street.

J. A. ANTHONY, Agent.

SAN FRANCISCO, Jan. 13, 13, 1879.

AUZERAIS HOUSE,

SANTA CLARA STREET, SAN JOSE.

S. W. CHURCHILL, Proprietor.

Auzerais House Coach and Carriages always in Attendance on arrival of trains.

THE NEW

SHEEP DIP.

We invite our SHEEP RAISERS to a NEW SHEEP DIP just received by us from Omaha, Nebraska, known as KENNEDY'S NON-POISONOUS and TOBACCO SHEEP DIP.

This new article can be had at a reduced rate in quantities at the

CALIFORNIA FARMER OFFICE.

N. B.—Call for Circulars and Particulars of its quality and merits.

☞SEND THE FARMER ABROAD.☜

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, to send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a JOURNAL as the CALIFORNIA FARMER. We know our JOURNAL is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the HOME CIRCLE everywhere, as a JOURNAL free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, SPECIAL PREMIUMS OF SEEDS are donated with the paper, to benefit our State.

C. P. R. R

COMMENCING

SUNDAY, JUNE 8th, 1875,

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento, making close connections at Napa with Stages for Sonoma. (Arrive 5:55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 5:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 5:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 9:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Caliente and Los Angeles. Also at Niles with Train arriving at San Jose 6:55 P. M. (Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily. (Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND

"Daily"—7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M.; 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00, 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.

"Daily, except Sundays"—6:10 A. M. and 11:45 P. M.

"Sundays only"—10:30 and 11:30 A. M.; 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4:00 5:00 6:00 and 10:30 P. M.

"Sundays only"—11:00 A. M., and 1:30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M.; 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—7:30, 8:30 and 9:30 A. M.; 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—6:30, 11:00 A. M. and 11:45 P. M.

"Sundays only"—10:30, 11:30 A. M. and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 and 10:10 P. M.

"Daily, except Sundays"—5:10 and 5:50.

"Sundays only"—11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:05 and 9:00 A. M.; 3:00, 3:58, 5:00, 6:05 and 7:00 P. M.

"Daily, except Sundays"—6:00, 8:40, 11:50, A. M., and 1:30 P. M.

"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—6:55, 8:00 and 11:05 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M.; 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:20, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays"—5:20 A. M. and 1:50 P. M.

"Sundays only"—10:20 and 11:20 A. M.; 12:20, 1:20 and 1:35 P. M.

T. H. GOODMAN, General Passenger and Ticket Agent.

A. N. TOWNE, General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

SUMMER ARRANGEMENT.

Commencing Monday, April 21, 1879.

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows

8.20 A. M., *Daily* for San Jose and Way Stations. ☞Stages for Pescadero (via San Mateo) connect with this train only.

9.30 A. M. *Sundays only* for San Jose and Way Stations. Returning, leaves San Jose at 6 P. M.

10.40 A. M. *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Salinas, Soledad, and all Way Stations. ☞AT PAJARO the SANTA CRUZ, R. R. connects with this train for Aptos and Santa Cruz. At Salinas the M. & S. V. R. R. connects with this train for Monterey. ☞Stage connections made with this train. (Pescadero Stages via San Mateo excepted.)

Parlor Car Attached to this Car.

(SEATS AT REDUCED RATES.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, Pajaro, Hollister, Tres Pinos and principal Way Stations. ☞On SATURDAYS only, commencing May 10th, the Santa Cruz R. R. will connect with this train at PAJARO for Aptos, Soquel and Santa Cruz. RETURNING, passengers leave Santa Cruz about 4:30 A. M. Mondays (breakfast at Gilroy), arriving at San Francisco at 10:00 A. M. ☞SPECIAL NOTICE—On SATURDAYS ONLY, commencing May 10th, the run of this train will be extended to SALINAS—connecting with the M. and S. V. R. R. for MONTEREY. Returning leaves Montery MONDAYS (breakfast at Gilroy), arriving at San Francisco at 10:00 A. M.

3.30 P. M. *Sundays only* for San Jose and Way Stations.

4.25 P. M. *Daily Sundays excepted* for San Jose and Way Stations.

5.00 P. M. *Daily Sundays excepted* for Menlo Park and Way Stations.

6.30 P. M. *Daily* for Menlo Park and Way Stations.

Excursion Tickets at Reduced Rates

To San Jose and intermediate points, sold on Saturdays, and Sunday morning, good for return until following Monday inclusive, as follows

Baden	$0.50	Fair Oaks	$1.50
San Bruno	0.50	Menly Park	1.60
Millbrae	0.85	Mayfield	1.75
Oak Grove	0.90	Mountain View	2.00
San Mateo	1.10	Lawrences	2.25
Belmont	1.25	Santa Clara	2.50
Redwood	1.40	San Jose	2.50

Also, EXCURSION TICKETS to Aptos, Soquel, Santa Cruz and Monterey, sold on Saturdays only—good for return until the following Monday inclusive.

SECOND-CLASS FARE.

Between San Francisco and San Jose, - - $1.00

☞A car with Sleeping Accommodations, constructed expressly for this travel is attached to Freight Trains, leaving *San Francisco* at 4:00 A. M., and *San Jose* at 8:30 P. M. (daily Sundays excepted).

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

☞Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 4:00 P. M. daily, and making close connection at GOSHEN for Bunner, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton, Colorado River and MARICOPA. (156 miles east from Yuma.)

25 NEW YEAR CARDS, with name, 20c. 25 Extra Mixed, 10c. GEO. I. REED & CO., Nassau, N. Y. 47 3y

1854. 1879.

THE

CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FIFTH year with 1878, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD of the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on the Coast—this was at Sacramento in the year of 1852, and also the GRAND FAIR at San Francisco in 1853—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

THE CALIFORNIA FARMER was the first and only advocate of SILK CULTURE, TEA CULTURE, COFFEE CULTURE, COTTON CULTURE, and the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS, and this was in early years when the masses lightly esteemed all such enterprises.

THE CALIFORNIA FARMER was the FIRST and only advocate for the planting of the ALFALFA as a forage plant, and the first to introduce the seed and its culture, and not only this grass, but all other valuable grains and forage plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STONE, WHEAT, of SUMMER FALLOW, of SUBSOILING, and of DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL—doctrines that have now, after long years of trial become the basis of true successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE OF AGRICULTURE, which such years of labor merit, our JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

The TERMS OF THE CALIFORNIA FARMER are placed at a low price, should induce, as we trust it will, a generous addition to our LIST OF SUBSCRIBERS for the year of 1879.

Desirous of placing this old PIONEER AGRICULTURAL JOURNAL, (The only exclusive AGRICULTURAL JOURNAL of the Pacific Coast), before the people at so low a price that all can have it, we make the following

Terms or the Year 1879.

And With Seed Premiums.

Single Copies,	$1 00
Six Copies,	5 00
Ten Copies,	8 00
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Fifty Copies,	35 00

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Will have their Papers Delivered at their Residence or Post Office Box, as they may desire.

California Farmer,

1879.

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We propose for the year of 1879 to offer to our Patrons the following valuable JOURNALS in connection with ours, all at reduced rates, so as to give them the best works at low rate—(all postpaid). Price per year.

The FARMER and VICK'S MONTHLY MAGAZINE	$1 50
The FARMER and AMERICAN AGRICULTURIST	3 00
The FARMER and POULTRY JOURNAL	1 50
The FARMER and RURAL NEW-YORKER	3 00
The FARMER and PHRENOLOGICAL JOURNAL	2 50
The FARMER and AMERICAN BEE MAGAZINE	1 50
The FARMER and SCIENTIFIC AMERICAN	3 00
The FARMER and HARPER'S MONTHLY	3 00
The FARMER and HARPER'S WEEKLY	3 00
The FARMER and HARPER'S BAZAR	3 00
The FARMER and HARPER'S THREE WORKS	5 00

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EDITORS AND PROPRIETORS,

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CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, JULY 17, 1879. NO. 13.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

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SAN FRANCISCO.

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WAITE, BURNNELL & CO, Seedmen, High Holborn, London.
FREDERIC CONNER, Esq., News Agency, Paris.
DIXSON & CO., Brisbane, Australia.
DAVID CLARKE, Chemist, Warwick, Queensland.

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☞ Advertisements and Subscriptions are all payable in Advance.

☞ Our full Advertising Rates will be found on the [illegible] PAGE

All Letters on Editorial Matters to be addressed to COL. WARREN, Editor.

☞ All Letters on Business connected with the Office should be addressed to

WARREN & CO., Publishers.

EUROPEAN.

From our Special Correspondent.

PARIS, March 27, 1879.

SUGAR BEETS AND BEET ROOT SUGAR.

The relative value of beet pulp is important. The sugar or juice is extracted in two manures; by rasping the root and pressing the pulp, or by cutting the root in thin slices, and steeping them in warm water. The first plan breaks up the cell, and pressure, mechanically forces out the contents; the slicing keeps the cells more or less intact, and the warm water exhausts their contents by the law of diffusion. The second method is common in Germany and Austria, and is spreading to Holland and Belgium, but farmers dislike the pulp, as it contains 94 per cent. of water; inconvenient for carriage and objectionable for feeding purposes, as too aqueous a dietary necessitates a useless expenditure of animal heat to raise the water to the temperature of the economy; further, too diluted food augments the decomposition of the albumen in circulation. However, by employing the Kluseman press, the per centage of water can be largely reduced, with not a greater loss than 3 per cent. of dry matter; in this condition it will conserve well in pits, and retain its superiority of richness in albuminous substances. Unpressed, according to Dr. Petermann of Belgium, the slices are commercially only half the value of the rasped pulp; reduced to a like degree of humidity, the sliced is richer than the grated pulp for feeding purposes. M. Barval has analysed some English beet roots, the mammoth variety, weighing 30 lbs. a root; he found them to be so rich in nitrate, as to be positively dangerous for alimentary, as they are totally unfit for sugar-purposes. Molasses contain a portion of sugar, to separate which many processes have been tried, but all of which while liberating and securing the 5 or 6 per cent. of pure potash, destroyed from 10 to 12 per cent. of potash salts, and 2 per cent. of nitrogen in the ammonical and organic form, during the distillation. By the discoveries of Messrs. Scheibler and Seyferth, this combined potash and nitrogen can henceforth be utilized. Sugar being composed of carbon, oxygen, and hydrogen, science and mechanics, ought to be able to restore all the other complementary matters of the beet to the soil, either in pulp, scum, or washings. The best harvest of 1878, has been better for the cultivator than the manufacturer; active operations are going on for this season's crop, which will be very extensive, as is ever the case after a bad wheat-year, as was that just experienced. If the farmer employs the seed given him by the factory, the beet will be taken from him at 17 francs instead of 16 francs the ton, the density of the juice to mark 5-2. French growers have not been yet able to realize 8 and 10 per cent of sugar, common to Russia, Austria and Germany.

SHEEP SICKNESS.

Many French farmers who purchase lambs to fatten for the butcher, lose about 10 to 20 per cent of them, when six weeks old, from the "gout" or *arthrite;* it is not an uncommon ailment among young cattle and horses, in Hungary, Saxony, Prussia etc.; but for lambs, it is rather new. The disease attacks the animals during the first months of their existence, and pending the suckling stage only. The cause is attributed to an alteration of the mother's milk, and its deficiency in phosphates or mineral matters. The symptoms of the disease are; painfulness in walking, a tendency to lie down, tume-faction of the joints, which are hot and swollen; strong fever, rapid respiration, spasmodic contractions; absence of appetite, ardent thirst, the animal endeavoring to crawl to a trough, or to suckle its mother; constipation at first, followed by diarrhea, and terminating in dysentery; slight running at the nose, and after a few days, death. The "remedy" is of little value, one ounce of Glauber's salts; but how treat several articulations, and especially in lambs? Better see that the soil be supplied with phosphates, and when the gout appears in the sheds, give the ewes an aqueous dietary of carrots, beet, parsnips, etc., putting a little of the aforesaid salts in the drink, or sprinkling it over the roots; a linseed drink, with a little nitre or bicarbonate of soda thrown in, is not bad. In thus treating the mothers, one prescribes for the lambs.

ABOUT POULTRY, HARROWS, POTATES, ETC.

Fattening poultry by machinery and special food, in a plan very extensively employed in France and with profit; many dislike fowls thus prepared for market; the flesh is very white and very insipid, and though plump looking, the bird on being roasted shrinks to small proportions. Dr. Peterman has analysed the manure of birds thus mechanically fattened and that he calls *poudine;* it contains 12 per cent of water, 26 of organic matter, 34 of soluble, and the rest of insoluble salts.

A Polish harrow, by M. Cichowski, is favorably spoken of; the teeth are not fixed as ordinarily, but consist of 24 iron bars, of various lengths, ends forming the teeth, each bar independent, movable—like the key board of a piano, and attached to an axle, forming a frame on three wheels.

The French government has prohibited the importation of potatoes to its colony of Algeria, unless previously washed. Why—no one knows.

M. Cantoni, director of the Agricultural College of Milan, reports favorably on Messrs. Iefeldt & Lentech's machine for "skimming" fresh milk, and making butter by centrifugal action.

[CONCLUDED].

AUSTRALIA.

Editors, strangers and citizens from the Eastern, the Middle, or Southern States, also Editors over our own Coast who may desire to see or refer to their own Journals, or any Agricultural or Horticultural Journals, will always find them on file in the FARMER READING ROOM, to which they are always bid welcome.

ONE HUNDRED of the leading Journals and Magazines of this class, the best in the United States are in this collection, giving to those in search of Agricultural knowledge the best Information on this Coast.

A Large Library also, for *General Reference.*

Australia and California

We have full files of Australian Papers from all parts of Australia, showing the great interest they take in this Country, one thing of great moment, is the "Steamship Line," it is of vital importance to the welfare of the Colonies, and so vastly important to the Pacific Coast in the great trade that can be built up between the Colonies and California, if our Merchants do their duty.

These Journals are arranged on file for the convenience of all who may desire to peruse them. We have as follows:—

The Sydney Morning Herald, Sydney.
" *Town and Country*, Sporting Paper, Sydney
" *Australasian*, Melbourne.
" *Weekly Times*, "
" *Adelaide Observer*, Adelaide.
" *Queenslander*, Brisbane, Queensland.
" *Week*, " "
" *Capricornian*, Buckhampton, Queensland
" *Port Dennison Times*, Port Dennison.
" *Wide Bay and Burnett News*, Queensland.
" *Darling Downs Gazette*, Toowoomba, "

Many of these Journals are of the largest size, from 20 to 38 pages, several, splendidly illustrated with views of the Public Buildings, Landscapes, Public Men, Stock, etc.

CONTRIBUTIONS FROM QUEENSLAND.

We Invite all our readers and our citizens especially who are interested in our MANUFACTURES and the MECHANIC ARTS, and our AGRICULTURE, to visit the FARMER Office and see the RICH PRODUCTS brought from QUEENSLAND by the Commissioner, they are now on Exhibition open to all, in the READING ROOM and MUSEUM of the CALIFORNIA FARMER OFFICE.

WASHINGTON.

From our Special Correspondent.

WASHINGTON, D. C., July, 1879.

Congress, whatever it sins may be, has of late years been liberal in its expenditures here—not, perhaps too much so, however. People of all sections desire a Capitol of which they can be proud, and they have, or soon will have it here. Among the buildings recently authorized, and soon to be commenced, is one for a National Museum. It will cover two and one-half acres, and will be at once ornamental and substantial.

There are being made great exertions among business men here to organize a National Fair Association, and hold annual fairs which will attract people from far and near.

It is held by everybody now that there will be no difficulty in carrying on the Courts, notwithstanding the failure to provide for the fees of U. S. Marshals. We can therefore live in happy security from more extra sessions this summer. Congress will meet at the regular time in December, and commence a new contest over more appropriation bills, and the usual campaign speeches, to affect the Presidential nominations and elections, will be delivered. It is also believed that there are votes enough in both Houses to pass the silver coinage bill which slumbers now in the Senate Finance Committee. The friends of the bill say no time will be lost after December 4th in passing it. Then the President, whose hand is well in the veto business, will probably kill the measure.

The last act of the Senate before adjournment was to pass the House bill removing the duty from quinine. The use of quinine has enormously increased of late, and the demand for its free importation was general. To give time to dispose of the bill one of the Senate officials turned back the hands of the Senate clock some five minutes. Sufferers from chills all over the country should remember him.

A new evening daily paper is to be started here next month or in September, under the management of L. A. Gobright, for the last half generation at the head of the Washington office of the Associated Press.

MERRILL.

S. H. KENNEDY MANUFACTURING CO.

A Company has been organized under the State law known as S. H. Kennedy Manufacturing Company, with $100,000 capital. Directors and Stockholders: J. McCraken, Portland, Oregon; M. E. Post, Cheyenne; H. B. Clawson, Salt Lake; Geo. Rubels, Denver; H. B. Slaven, San Francisco; John M. Wheeler, Ann Arbor; Wm. Settle, New York; J. L. L. F. Warren, San Francisco, and J. Sherman, Chicago, with S. H. Kennedy, President and Manufacturer, Omaha, Neb.

Publication Notice of Corporation Organization.

OMAHA, NEBRASKA, July 4, 1879.

Notice is hereby given of the organization of the S. H. Kennedy Manufacturing Company. That the principal place for the transaction of the business of the Company is Omaha, Nebraska; that the nature of the business is that of the manufacture and sale of patent remedies. The amount of the capital stock of said Company is One Hundred Thousand Dollars ($100,000), the Company to go into existence as such on June 23, 1879, and to continue in existence till January, Nineteen Hundred and Nineteen (1919). Said Comany is limited to the amount of $95,000 in the incurring of indebtedness or liability.

The affairs of said Company are managed by a President, Secretary, Treasurer, and a Board of Directors.

P B. MEANEY, Secretary. S. H. KENNEDY, President.

CHANGE OF PARTNERSHIP.

WOOL MERCHANTS OF NEW YORK CITY AND BOSTON.

The co-partnership heretofore existing under the name of Walter Brown & Co. in Boston, and Walter Brown & Son in New York, is dissolved by the death of Mr. Walter Brown. The business of the firm will be settled by the surviving partner, Henry T. Brown.

The undersigned have this day formed a co-partnership, and will continue the wool commission business in Boston and New York, under the firm name of Walter Brown & Co., with all the facilities for handling consignments, making cash advances, and effecting prompt sales.

Sales will be made invariably for cash settlement, and thus ensure to consignors prompt returns on their wools.

Having had over eighteen years' experience in wool, we trust we may enjoy the same patronage and confidence which has been given to the old firm in former years. Respectfully, etc.,

HENRY T. BROOWN.
ALEX WILLIAMS, JR.

[This was one of the best wool houses East, and the many friends of Mr. Brown will greatly mourn the loss of this merchant. This house as noted above under the new firm will stand high in this trade.—ED. F.]

Land Plaster.

Land plaster as a fertilizer for all clover fields has no equal, Liebig says there is no article superior to land plaster (ground gypsum) for the clover field, and *Alfalfa* being a clover, *land plaster* should be used very liberally on all Alfalfa fields

THE MAYOR OF SAN FRANCISCO.

Who shall be the MAYOR OF SAN FRANCISCO the coming term?

The people of this City have never before had so important and we would say so solemn a question presented to them as the one we now propound.

No person can accuse us or our Journal of being in any way a politician or a partizan, the great good of our State and of this City is nearest to our heart, and for these we labor and work to the best of our ability.

Perhaps there may be many that would ask, what has an AGRICULTURAL JOURNAL to do with the Mayoralty? this is briefly and easily answered, in a single word—*much.*

The City of San Francisco is the *Emporium of this State*, and we can say with truth that no City in our Union occupies a position of greater or more potent influences, her name, fame and riches extend to every great mart of trade the world over.

The ships of every Nation ride at anchor in our beautiful bay, a bay unsurpassed by any other on the Globe, for extent or for excellence.

These ships come to us laden with the wares and merchandize of every Nation, and here at our wharves they are unloaded, and then loaded with our Grain, our Flour, our Wool, our Wines, our Fruit and other products, and we can *Ballast* these ships with our GOLD, SILVER and COPPER to keep them steady, and these products count up to an HUNDRED MILLIONS OF DOLLARS and more annually, these are but some of the influences that make our City one of mighty potency, influences that affect more or less every business mart of the world, for there is not a harbor or port where the stars and stripes are seen, but what the name of CALIFORNIA and SAN FRANCISCO is not almost a household word.

Such a City, with such mighty means and influences needs then most assuredly a *good, wise* PARENTAL GOVERNMENT, and the Mayor of such a City is as the "rudder" to a noble ship, to guide it on to safety, or like the "key stone" to the arch that holds up a noble structure.

It is for such considerations that we thus speak; if our City is well and wisely governed, it must, with our vast resources be very prosperous, and if our City is prosperous, its good influence will be felt far and wide.

Then how all important that our citizens one and all, should lay aside all mere partizan feelings and look over our City and select a man that would honor the office, and in doing this, honor our City, our State and our whole Coast.

Where shall we look for such a man, and who shall be MAYOR OF SAN FRANCISCO?

We think we know the man that would be all, and do all we have said, and we take the privilege of a FREEMAN and the conductor of an independent Journal to name

WILLIAM T. COLEMAN.

Reader, we care not what party you belong to, but can you name a citizen of our State that would better perform the duties of Mayor of San Francisco than

WILLIAM T. COLEMAN.

As a merchant of large experience, widely and honorably known, a gentleman and a scholar, a man of great executive ability, and possessed of ample wealth, so that some personal sacrifices could be easily made that he might serve the City and his fellow citizens, and reflect honor upon all.

We think we have named the right man for this high and honorable post, for in this question of the Mayoralty every *merchant, ship owner, manufacturer* and *Real Estate owner*, has much at stake, and San Francisco wants a Mayor that shall command honor and respect not only at home, but abroad, and with such a man as

WILLIAM T. COLEMAN

as Mayor of our City, our people may rest assured that with all the great interests cared for that we have named, our City would never more fear from misrule, disorder or dishonest officers, but would march on under such a government to a *state of prosperity never before attained.*

The Eucalypt Atlas.

A grand Atlas with full plates, illustrating the various new kinds of the Eucalypti, recently discovered, classified and described by the distinguished Government Botanist, Baron Ferd. Von Mueller, K. C. M. G., M and P. H. D., F. R. S., who has won the highest honors and noblest titles from the best Institutions of Europe.

We have the *first decade* of this great work with plates and lists of the new varieties, which, added to those known, make a list of one hundred and seventy kinds.

First decade of Eucalypt now described, of this great work; shows it to be one of great value and importance, it is beyond price valuable and reflects the highest honors upon this truly distinguished Botanist.

We return grateful thanks for his favor to us.

Toil, feel, think, hope. A man is sure to dream enough before he dies, without making arrangements for the purpose.

WINE AND SPIRIT REVIEW.

From Messrs. J. R. Parkington & Co.,
Our Correspondent at London,
Crutched Friars, London, E. C., June, 1879.

The Board of Trade returns for May, fully confirm our remarks on the want of activity which continues to exist in our market, for the figures show a decline in the imports, home consumption and exports of 576,573 gallons, 545,876 gallons and 47,532 gallons respectively.

Several staple articles of commerce have recently shown a considerable upward tendency, and the rise in the Stock Market, as well as the increase in the Clearing House Returns, go far to produce a favorable impression as to the general revival of trade. We regret however to say that this month has opened badly for those connected with our trade, as the unsettled weather has checked consumption by throwing a damper on all festivities which take place at this season, and which are naturally expected to give great impetus to demand, especially as regards light wines. The consumption of claret shows a very marked falling off, and merchants are cautious not to increase their stock.

CHAMPAGNE.—The Reims Chamber of Commerce has issued the report of the champagne trade, giving figures from April, 1846, to April, 1879. The total quantities sent from the various districts during the twelve months ending April last amount to 17,440,537 bottles as compared with 18,162,634 bottles, 19,010,955 bottles, and 19,145,481 bottles respectively in the three preceding years. The quantity exported from France amounted 14,844,181 bottles, as against 15,705,719 bottles in the three preceding years, so that the trading from April, 1878, to April, 1879, has been smaller than in any year since 1870-71, when the war completely paralyzed trade in those districts. The figures further show that each of the past five years has shown a decline on its predecessor. The total stocks in champagne on 1st April, 1879, are estimated to be over 65,000,000 bottles, consisting principally of 1873's, 1875's and 1877's. The stocks of 1874's are now very small.

The appearance of the vines has considerably changed during the past fortnight. They look strong and healthy, but very backward, and the weather has not been warm enough to regain any portion of the lost time.

PORT.—The weather has been favorable, but the Douro districts are suffering very much from the phylloxera.

The shipments for May amounted to 5,049 pipes (of which 2,523 pipes were for Great Britain) making an aggregate for the five months of 22,202 pipes as compared with 22,628 pipes in 1878.

SHERRY.—The growers appear satisfied with the state of the vines, and are anticipating an abundant crop.

The shipments of sherry for May amount to 3,523 butts from Jerez-de-la-Frontera, and 1,277 butts from St. Mary, making a total of 4,800 butts, and for the five months of 22,885 butts against 22,646 butts in 1878.

TARRAGONA.—The demand for this wine has been rather brisk. In consequence of the unfavorable prospects for the vintage, an advance in prices has taken place.

BRANDY.—The London market continues flat, but a sale of 1200 hogsheads of old landed 1865 has just been made to Messrs. Gibney which, with the 2,500 hogsheads they secured in August last, makes their total purchases of old landed Brandy from La Grande Marque amount to about £111,000

The imports for the five months show a decline of about 144,000 gallons as compared with last year, and the bonded stock on 31st ultimo only amounted to 10,188,528 gallons.

A Fortune in Fruit Growing.

We desire to call particular attention to the "Splendid Estate" advertised in our Columns this week for sale.

We venture to say without the least contradiction that there has never been offered an Estate for sale in California more beautifully located, nor so well prepared at hand, for making a FORTUNE, as the Estate now offered.

We know the Estate well, and as the advertiser says to any *one* person of good ability and a knowledge of orcharding and vineyarding, or to a company of three or four in joint management, men that can all mutually agree to take hold in earnest—this Estate is richly worth to-day SIXTY THOUSAND DOLLARS, it could be easily earned and won inside of *five years*, from the actual profits made, see advertisement.

Produce Markets Abroad.

We are indebted to Fred. Hill, Esq., Produce Merchant, of Philadelphia, for Reports and Price Current of the markets of that City.

We also tender thanks to John M. Brydon, Esq., of Sydney, N. S. W., for valuable papers, and to Messrs. Cowlisher Brothers, for like favors, and to H. Craig, Esq., of this City, for Price Currents of the New Zealand markets.

We are much indebted also to W. H. Fletcher, Esq., of Sydney, for valuable reports of markets.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have grain to sell and to keep.

HOW WE SAVED THE OLD FARM.

CHAPTER IX.

I think Uncle Thomas never knew how it was, or realized what a leak it made in his income, though he might have had an idea that Cynthia had an hundred dollars or so stowed away. Whether he would have been more than astonished,—whether he would have dared to assert his rights if he had known what we learned after his death, that, during the time when he was struggling to support his family, and bearing the misery of a debt which he saw no means of discharging, she had managed to hoard up over two thousand dollars, a sum which would have seemed like a fortune to him,—I know not, nor can any one. Now, do not think this is a fancy-sketch, or an exaggeration, for I have heard the woman who did this, boast after her husband's death, of the money she put away, which he knew nothing about, and tell how she managed to do it. Nor was it from any cause but the simple love of hoarding, for after his death every debt was scrupulously paid, no one being wronged by her but her husband, who was robbed, not of money alone, but of the rest, the freedom from care, and the home comforts which would have made easy the remnant of his worn-out life, wasted in trying to fill the bottomless pit of a heartless woman's avarice.

They had three children, as did my father, two boys and a girl, although much older than my brothers and myself. The oldest son, Thomas, Jr., had run away from home at sixteen, and gone to sea. For a few years letters used to come from him to an old school-mate, which always contained some message for his father, and sometimes small remittances of money, but for ten years nothing had been heard from him. The daughter was next, and she had married young, luckily getting a smart young man of good habits, and one who obtained good pay, which was spent as fast as earned, for she was as eager for luxury and show as her mother was adverse to it.

I think her mother mourned more over this than she did over the youngest son, who, from a smart, clever boy, had sunk to an idle, drunken vagabond, working only enough to supply his hunger and thirst. With Uncle Thomas and Aunt Cynthia we had never been intimate, and we were not likely to be now, though there had never been any quarrel; but my mother despised Aunt Cynthia, and despised Uncle Thomas for being under her dominion. She had called upon us just after Clarence bought the superphosphate, on purpose, it seemed to me, to denounce such extravagance, and predict that we should end in the poor-house, an interference that my mother resented as much as (perhaps more) than if the buying of the manure had been her plan instead of Clarence's. It is the way with some women, that when they have yielded their judgment to that of husband or son, they cannot bear to hear any one else question the wisdom of that judgment. From opponents they become earnest champions. It may be so with some men, but I never noticed it in them.

Not far below them lived a curious family, consisting of an old lady about eighty years of age and unmarried, of whom the mother always spoke as if they were "nothing but flighty young gals" and with whom and at whom she jested about the beaux who came or did not come to see them,—jests not always refined, but yet not actually vulgar; at least in my hearing. There was no man upon the place, which was but a small one, with a little, tumbledown house upon it so ancient that it looked as if it must have been, as it was said to be, the oldest house in Brookfield.

They had each one a little money saved, a few hundred dollars, very few, and they calculated that the interest and the principal at the rate which it cost them to live, would be enough to keep them until they were an hundred years old, and so they sat knitting by the fire-place—they could never be persuaded to have a stove in the house—as cosily and comfortable as if they were above all fear of want and sickness. The old lady kept a cow and a dozen or so of hens all the time, and fatted a pig every season, the daughters taking the care of them in consideration of stipulated amounts of milk, eggs and pork, for strange as it may seem, although all lived in one room and all cooked by the same fire, each one kept her own provisions and cooked and ate as separately as if in different houses; social and neighborly together always, but independent of each other as much as can be among neighbors. The cost of keeping the fire, of planting the little garden, and even the labor of taking care of the rooms which they occupied, was divided upon equitable principles and rules, which were never deviated from.

I used to enjoy going in there and listening to their talk and looking at the old fashioned things with which the house was furnished. I even stayed there to take tea with them, and, as my visit was paid to them all, I had to eat with each one: a bit from this one's bread, and then another from each of the others; a small bit of cake and a small wedge of pie from each corner of the table—for we all ate at one table—was passed to me, and I was invited to decide which was best, a matter in which I could not venture an opinion, luckily for me, if I desired to stand well in the good graces of all three. They eked out their slender income by their knitting, which they were always doing, and by occasionally taking in for the night some tin peddler or other traveler, who preferred their humble accomodations to the more expensive, but scarcely more palatable fare to be found at the hotel. This was the exclusive perquisite of the old lady, who never turned away one who applied, only stipulating, if he had a horse, that he must take care of him himself. Upon such occasions she and her guest ate at one table and the girls at another.

These people have little to do with my story, but they hold a large place in my memory of my girlhood days, and I introduce them to you as people whom you may like to know about, if not to know intimately. Beyond their house was a strip of wood, and in the clearing beyond was the town almshouse, where old Tom Hardy had been keeper for many years, for although a few, like my Aunt Cynthia, grumbled because the paupers were allowed to live so well, yet the majority were pleased to know that they had good food and good care, and were satisfied with the way in which the farm belonging to the town was managed by him, which, indeed, was so prudently done that but little money was needed "for the support of town's poor" at each town meeting. Uncle Tom, as everybody called him, was another odd character. Small in size and quick in his motions, his tongue would outrun any woman's in the town, and yet he never stopped work to talk, nor stopped talking to work.

If any one met him on the road, Uncle Tom would begin conversation as soon as they came within hailing distance and keep it up until they got out of sight and hearing. He talked to the inmates of his boarding-house, as he called it; he talked to the horse and oxen, and I think, even to the cart and plough. He could scold, too, and did scold, though the funny twinkle of his eyes under their shaggy brows gave the lie to his professions of anger. His wife was as different from him as could be,—fat, heavy, slow-motioned, though making every step count so well that she did as much work as more bustling women. Speaking seldom, and in a moderate way that was almost a drawl, with no stronger expression of anger than "Now, Thomas," she yet ruled with a firmer hand indoors than Uncle Tom did out of doors, and yet those under her charge felt both respect and love for "Mother Hardy," as they all called her, though most of them were old enough to be mother to her.

Uncle Tom always went to church every Sabbath morning, where he regularly slept through the morning services, as I thought, because he could not bear to hear another man talk when he could not, or perhaps the unusual silence of his tongue acted as a soporific. His wife came in the afternoon, and sat bolt upright and wide awake, as if to make up for Uncle Tom's sleepiness. We saw but little of them, for he only left the farm for church or business, she only for church; but he came up and bought four of Clarence's pigs one day. His first salutation as he drove into the yard was,

"Well, widder Reynolds, I thought I would come up and see if you wasn't coming down to board with me afore long. Yer sister Cynthia said as how she reckoned you'd have to pretty soon, but I don't see any signs of yer gettin' ready this summer, in the way things look around here. Where's the boy? I want to look at some of them pigs of his'n, and if they are as good as Jake tells for, I maybe will take some of them out of the way so as to save you from havin' to feed so many. Perky handsome calves them you has under the apple trees, and them little lambs, too; reckon them come from the squire's. See you have got a swad of chickens up on the hill, and I guess them pay, too. Shouldn't wonder if you made a pretty good thing this year, from what I hear and see, and I am glad of it. Here comes the boy, and now I'll look at them pigs of yourn, young sir. Come down to see us some day, ma'am, the old woman 'll be proper glad to see you if I tell her you sin't coming to board with us, and you can look around and see what you think of our accomodations," and he was off to the piggery talking to Clarence all the time without giving him any more chance to reply than he had my mother, and when he drove off he was still talking to Clarence and the hogs and horse alternately, until he was out of hearing.

Do not imagine, that, if there had seemed any danger of our having to go to the almshouse that Uncle Tom would have hinted at it until it became a necessity, but as long as we appeared to be prospering, it was to him an excellent joke.

[TO BE CONTINUED.]

IMPORTANT TO FARMERS.

It is coming to be better understood that success in farming depends far more upon how much one gets per acre than upon the number of acres he cultivates. If a man's time, teams, seeds, implements, etc., are worth or cost $500 a year to cultivate fifty acres, and the crops produced, whatever they may be, are equivalent to 12 bushels of wheat per acre, worth on an average $1 per bushel, he has just $100 left for interest on the land, taxes, etc. If the crops equal 15 bushels of wheat per acre, he has $250 surplus for land, etc. If they are equal to 20 bushels of wheat per acre, he has $500 surplus; if 25 bushels per acre he has $750. The same rule holds good for 100 acres, or any other area. The great question then is, how to increase the yield per acre, and only the same cost for labor, teams, implements, and seed.

AS TO FERTILIZERS AND THEIR ACTION.

Omitting the question of drainage, and of green manures, and supposing the land in proper dryness and tilth, there is no doubt that a sufficient amount of the right kind of manures or fertilizers will secure this 8 to 13 bushels per acre increase.

Recent observations, careful experiments, and extensive chemical investigations, show that our cultivated crops need for their best growth the presence of several substances. Three or four are seldom abundant in soils, or are largely available in but few, and are rapidly exhausted by the removal of crops. Two of these, for example, phosphoric acid and Nitrogen, are indispensable as plant-food. Potash is also needed as food, and to develop and prepare other food. Lime acts like potash in feeding or preparing food for plants.

THE MOST VALUABLE CONSTITUENTS OF SOILS AND MANURES.

Of these four substances, nitrogen, potash, lime and phosphoric acid, some soils and crops want one, some want two, and some want three, if not all of them. Good barn-yard manure invariably contains all of them. So long as one can get enough of good barn-yard manure, cheaply enough, and near enough to the fields, that is all that is needed. With it, if the other conditions of the soil, its dryness and tilth or mechanical condition, be right, we can raise our crops from an equivalent of 12 bushels of wheat to 20, or 25, or more bushels per acre.

An instrument called the strathmograph, for recording the speed of railway trains, has been invented by a German mechanician at Cassel, and works so well that the Prussian Government is about to test it upon some of the State lines. A dial in view of the engineer enables him to ascertain the velocity of his locomotive at any moment, and the changes of speed are graphically represented upon a roll of paper, which can be studied at the end of the journey.

THE

New Zealand Insurance Co

FIRE AND MARINE.

Organized 1859.

Capital, $5,000,000.

With Unlimited Liability of Stockholders.

Capital	$5,000,000
Capital—paid up	1,000,000
Assets	1,985,055
Re-Insurance Reserve	345,639
All Other Liabilities	189,075
Surplus for Policy-holders	1,460,941
Premiums received to May 31, 1878	7,495,177
Losses Paid to Date	4,509,902
U. S. Bonds deposited in Oregon	50,000

UNDERWRITE, THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandise, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

HEAD OFFICE:

NEW ZEALAND INSURANCE COMPANY,
Auckland, N. Z.

HUGH CRAIG, - - - - - Manager,
OFFICE, 307 CALIFORNIA STREET,
San Francisco.

OREGON BRANCH.
No. 7 FIRST STREET, PORTLAND,
W. F. BROWN - - - - Manager.
47 12

THE AUSTRALIAN GUM TREES.

There is no tree known to science that presents so many valuable properties as the various species of the Australian Eucalypti. As many as one hundred and fifty varieties of this invaluable tree have been discovered. No timbers in the world can compare with those of Australia; for purposes requiring great strength, combined with great durability, they are unapproachable. Owing to an essential volatile oil that exudes from the foliage, epidemic rarely exists in Australia. The entire species are more or less medicinal. Yet after many experiments, I have found that some of the species, most useless as far as their timber is concerned, are of the greatest value as medicine plants.

In the bush bush the gum leaf has often to answer the purposes of the entire medicine chest.

During the past six years I have been experimenting on the various species of the Australian Gum—the roots, the bark, the gum, and the leaves—with great care.

I have found that the gum that exudes from some of the species cannot be excelled for some purposes.

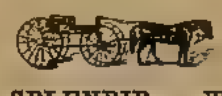
For Rheumatism, Neuralgia, Gout, Sciatica, or any affection of the Nervous System, it appears to be almost a specific, giving immediate and permanent relief. For resolving the attack of Fever and Ague, it is marvelous. It is equally valuable in all diseases of the Liver.

The BEST MEDICINE one can possibly take for Indigestion, Fever and Ague, Wind in the Stomach or Bowels, Sick Headache, Heartburn, Giddiness, Drowsiness, Languor, Spasms, Pains and Fullness at the pit of the Stomach or region of the Liver, Loss of Appetite, Diarrhœa, Dysentry, and the most certain cure for Piles is Clarke's Liver and Bilious Pills.

It is essentially necessary during an attack of any of these diseases that the bowels be freely evacuated by a dose of four to six of the "Liver and Bilious Pills" previous to taking the Fluid Extract, and a small dose of the Pills every night will greatly assist the action of the Fluid Extract. For Rheumatism, Sciatica, Gout, Neuralgia, or pains in any portion of the body or limbs, the part affected should be freely bathed with the "Concentrated Fluid Extract."

For Dysentry and Diarrhœa it supersedes all other medicines known. For ordinary cuts, or slight bruises, one application generally suffices.

For Colic, Pains in the Stomach or Bowels, a single dose generally gives relief before five minutes. In bad cases a dose may be taken every half-hour, or hour, till relieved.



FOUR SPLENDID WAGONS.

Farmers who desire a splendid Single or Double Seated Wagon, of the best make and best finish, can have a special bargain if they will call at 320 Clay Street, FARMER Office, where style of the Wagon will be shown them, price and terms also. An early call will secure a bargain rarely obtained.

Peterson's
COUNTERFEIT DETECTOR
—AND—
National Bank Note List.

THIS CELEBRATED PUBLICATION OF THIRTY Years standing, one of the best works of the kind known, published by Peterson Brothers, Philadelphia.

Subscription price, monthly .....$1 50 per year.
Semi-monthly..... 3 00 per year.

Can be had at the Reading Room of THE CALIFORNIA FARMER, 320 Clay Street, San Francisco.

OUR Ladies' Outfit Case, contains: Rias Cutting Gauge for cutting Rias Trimmings, with Tracing Wheel, price 10 cents; pair Unique Hair Crimpers, the best in the world, price 25 cents; Pocket File Combination, Writing Tablet and Mirror, price 25 cents. The whole packed securely in nice case and mailed to any address, postage paid, on receipt of 50 cents in stamps.
Liberal inducements to Agents.
A. S. SPENCE & CO.,
24 Geary Street, San Francisco.

HUNTINGTON, HOPKINS & CO.

IMPORTERS OF

Hardware, Iron, Steel, Coal, Powder, Fuse,
Belting, Hose, Rope, Etc.,
Milling, Mining, Building Material
—AND—
RAILWAY SUPPLIES.

Cor. Market and Bush Streets,
SAN FRANCISCO.

No. 52, 54, 56, 58 K Street,
SACRAMENTO.

N. ASHTON & SON'S
Liverpool Fine Salt.

IN UNIVERSAL USE THROUGHOUT THE EASTERN and Western States, and acknowledged far superior to any other brand of factory-filled salt.

Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory-filled salt; therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $13; for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams; and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"

For sale by
WILLIAMS, BLANCHARD & CO.,
218 CALIFORNIA STREET,
48 10 Sole Agents for Pacific Coast.

J. M. NEVILLE. G. H. BRYANT.

NEVILLE & CO.,

Bag, Tent and Hose Factory

33 CALIFORNIA STREET,

South-East Corner of Davis Street,

San Francisco,

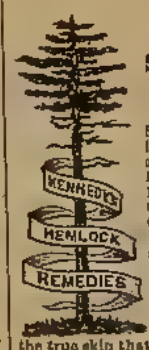
(Removed from their old place, 113 Clay Street, to their new and enlarged accommodations.)

IMPORTERS, MANUFACTURERS, AND DEALERS IN ALL KINDS OF

Bags, Burlaps, Duck,
Canvas and Cottons.

SCAB AND TICKS
IN SHEEP.

S. H. KENNEDY'S
NON POISONOUS
SHEEP DIP!



Manufactured by

S. H. KENNEDY, Omaha, Nebraska, eradicates the pest. This is the only dip that adds to the staple and value of the wool. It will cure the most obstinate cases—diluted 150 parts hot water, and will not cost A CENT A HEAD each dipping. Packed in ONE and FIVE GALLON TIN CANS.

Dip Scabby Sheep in the Early Spring and Summer as that is the time to eradicate the disease from the skin. Fall and Winter dipping will not cure the Scab, it only holds the disease in check, in the Fall and Winter months, the insect that causes the Scab is forcing his way so deep into the true skin that he cannot be reached or destroyed, while in the early Spring the insect comes to the surface of the skin and is easily eradicated by one or two dippings in my Sheep Dip.

Price per Gallon:

TOBACCO DIP	$2 75
HEMLOCK DIP	2 25
NON-POISONOUS DIP	2 25

BOOK SENT FREE TO SHEEP GROWERS.

Address,
S. H. KENNEDY,
OMAHA, NEBRASKA.
49:1

VALUABLE
FARMS FOR SALE.

Valuable Farms in the sunny lands of San Diego County.

Those families who desire to leave the cold wintry region of the north and come to a better climate—are invited to the following Farms we offer at good bargains.—

One Farm of 1,500 acres, undivided, can have a great chance to buy this Farm.

One of 320 acres, of rich land of the very best soil, running water, and generally low land, capable of growing any crop wanted, a portion fenced, with fruit trees and vines now bearing.

One Farm of 160 acres of most excellent soil, capable of raising all Tropical Fruits in the greatest luxuriance.

All these Farms are in the Bee-region—and suitable for this interest—all sold on easy terms. For particulars address

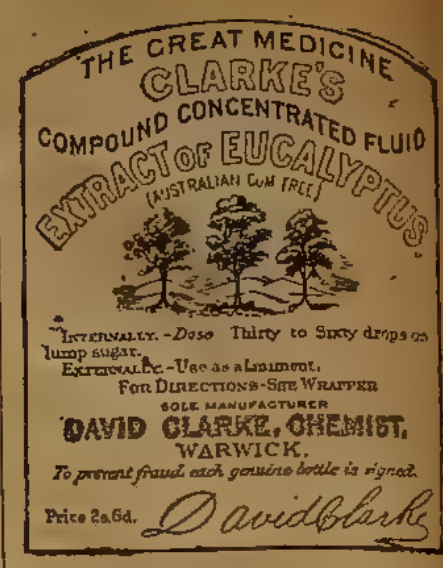
STEINER, KLAUBER & CO.,
San Diego City, Cal. 49:2
Or CALIFORNIA FARMER Office, 320 Clay Street.

Newspapers for Packing

A LARGE lot of good country newspapers in good order for packing up goods, can be had at reasonable rates, in lots of *One to Five Thousand*.

For Sale at FARMER OFFICE,
320 Clay St., San Francisco.

The Great Medicine!!



INTERNALLY.—Dose Thirty to Sixty drops on lump sugar.
EXTERNALLY.—Use as a Liniment.
FOR DIRECTIONS—SEE WRAPPER
SOLE MANUFACTURER
DAVID CLARKE, CHEMIST,
WARWICK.
To prevent fraud, each genuine bottle is signed.
Price 2s 6d. *Davidblarke*

We have appointed for the sale of this Medicine advertised in our columns the following

AGENTS:

A. M. COLE,
APOTHECARY AND DRUGGIST,
GEN'L AGENT FOR STATE OF NEVADA.

H. BOWMAN,
APOTHECARY AND DRUGGIST,
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RHODES & CO.,
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M. J. DOLYE & CO.,
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HODGE, DAVIS & CO.,
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DR. L. H. CUTLER,
DRUGGIST
LIVERMORE.

JOHN WOLFE,
DRUGGIST,
AGENT FOR SAN RAFAEL.

GODBE, PITTS & CO.,
DRUGGISTS,
SALT LAKE CITY, UTAH.

J. WIDNEY,
MERCHANT,
SANTA CLARA.

The Remarkable Cures which have been effected by Wonderful Remedials, known as CLARKE'S EUCALYPTUS REMEDIES from Australia, have, and are exciting a great influence among all those who have long been sufferers by those terrible sources of suffering, RHEUMATISM, NEURALGIA, DYSPEPSIA, and FEVER AND AGUE.

These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.

Be sure you ask your Apothecary for the true Medicine, DAVID CLARKE'S EUCALYPTUS PREPARATIONS. The only Genuine article.

WARREN & CO.,
SOLE AGENTS FOR THE UNITED STATES.

LAND PLASTER.
THE GREAT FERTILIZER.

This most excellent material for all Clovers and Grasses can now be had of the undersigned at the low price of

$12.50 per Ton.

Also—Building Plaster, Coating Plaster, and Terra Alba.

For Sale by
LUCAS & COMPANY,
215 and 217 MAIN STREET,
Bet. Howard and Folsom,
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Vermont Merino Sheep Breeders' Association

First Vol. Register, 395 pages, 22 plates, substantial leather binding, contains history of importation and improvement of Merino Sheep, register and pedigrees of 572 stock rams, with pedigree and history of over 200 flocks, pure bred, improved Spanish Merino Sheep. Sent postpaid on receipt of $2.00. ALBERT CHAPMAN, Sec., Middlebery, Vt.

A Pamphlet Free.

THE MURRAY HILL PUBLISHING COMPANY, 129 East 28th St., New York City, will send by mail a large pamphlet entitled EVIDENCES OF DOCTOR FOOTE'S SUCCESS as a writer and practitioner of medicine, and a catalogue of all their publications—reading enough for several weeks—if you will but enclose one letter stamp to their address.

PATENTS

In connection with the publication of the *Scientific American*, we continue to act as Solicitors for Patents, Caveats, Trade-Marks, Copyrights, etc., for the United States, Canada, Cuba, England, France, Germany, etc. In this line of business we have had *Thirty-three years' experience*.

Patents obtained through us are noticed in the *Scientific American*. This large and splendidly illustrated weekly paper shows the current progress of Science, is very interesting, and has an enormous circulation. Subscriptions $3 20 a year, postpaid; single copies 10 cents. Sold at all Book stores and News-offices.

Can I Obtain a Patent? The quickest and best way to obtain a satisfactory answer, without expense, is to write to us (MUNN & CO.), describing the invention with a small sketch. All we need is to get the idea. We will immediately answer, and give the necessary instructions. For this advice we make no charge.

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Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

THE USE OF THE FEET IN SOWING AND PLANTING.

Read before the American Association of Nurserymen at Cleveland, Ohio, June 18th 1879, by Peter Henderson, of Jersey City, N. J.

Mr. Henderson addressed the Association as follows:

It may be useless to throw out any suggestions relative to Horticultural operations to such a body of practical men as is now before us. Yet I candidly admit that I have been extensively engaged in gardening operations for over a quarter of a century, I did not fully realize until a few years ago, the full importance of how indispensable it was to use the feet in the operations of sowing and planting.

Particularly in the sowing of seeds, I consider the matter of such vast importance that it cannot be too often or too strongly told, for the loss to the agricultural and horticultural community by the neglect of the simple operation of forming the soil around seed must amount to many millions annually. From the middle of April to nearly the end of May of this year, in many sections of the country there was little or no rain, such was particularly the case in the vicinity of New York City, where we have hundreds of market gardeners who cultivate thousands of acres of cabbage, cauliflower and celery, but the dry spring has played sad havoc with their seed beds. Celery is not one fourth of a crop and cabbage and cauliflower hardly half, and this failure is due to no other cause than that they persist in sowing their seeds without ever taking the precaution to firm the soil by rolling.

We sow annually about 4 acres of celery, cabbage and cauliflower plants, which produces probably 5 millions in number, and which we never fail to sell mostly in our neighborhood, to the market gardeners, who have many of them even better facilities than we have for raising these plants, if they would only do as we do, firm the seed after sowing, which is done thus; after ploughing, harrowing and levelling the land smoothly, lines are drawn by the "marker" which makes a furrow about 2 inches deep and a foot apart; after the man who sows the seed follows another, who with the ball of the right foot presses down his full weight on every inch of soil in the drill where the seed has been sown, the rows are then lightly levelled longitudinally with the rake, a light roller is then passed over it and the operation is done.

By this method our crop has never once failed, and what is true of celery and cabbage seed, is nearly true of all other seeds requiring to be sown during the late spring or summer months.

On July 2nd of 1874, as an experiment I sowed 12 rows of sweet corn and 12 rows of beets, treading in after sowing every alternate of each. In both cases, those trod in came up in 4 days while those unfirmed remained 12 days before starting, and would not then have germinated had rain not fallen for the soil was dry as dust when planted.

The result was that the seeds that had been trodden in grew freely from the start and matured their crops to a marketable condition by fall, while the rows unfirmed did not mature, as they were not only 6 days later in germinating but the plants were also to some extent enfeebled by being partially dried in the loose dry soil.

This experiment was a most useful one for it proved that a corn crop sown in the vicinity of New York as late as July 2nd could be made to produce "roasting ears" in October when they never fail to sell freely at high rates, but the crop would not mature unless the seed germinated at once, and which would never be certain, at that dry and hot season, unless by this method.

The same season in August I treated seeds of turnip and spinach in the same way, those trod in germinated at once and made an excellent crop, while, those unfirmed germinated feebly and were eventually nearly all burned out by a continuance of dry hot air, penetrating through the loose soil to the tender rootlets.

Of course this rule of treading in or firming seeds after sowing must not be blindly followed. Very early in spring or late in fall when the soil is damp and no danger from heated dry air, there is no necessity to do, or even at other seasons the soil may be in a suitable condition to sow, and yet to be too damp to be trodden upon or rolled, in such cases these operations may not be necessary at all, for if rainy weather ensue the seeds will germinate of course; but if there is any likelyhood of continued drouth the treading or rolling may be done a week or so after sowing, if it is at such a season as there is reason to believe that it may suffer from the dry hot air.

Now if firming the soil around seed to protect it from the influence of a dry and hot atmosphere is a necessity, it is obvious that it is even more so in the case of plants whose rootlets are even more sensitive to such influence than the dormant seed.

Experienced professional horticulturists however, are less likely to neglect this, than to neglect in the case of seeds, for the damage from such neglect is easier to be seen, and hence better understood by the practical nurseryman; but with the inexperienced amateur, the case is different, when he receives his package of trees or plants from the nurseryman, he handles them as if they were glass, every broken twig or root calls forth a complaint, and he proceeds to plant them gingerly, straightening out each root and sifting the soil around them, but he would no more stamp down that soil, than he would stamp on the soil of his mother's grave. So the plant in 9 cases out of 10 is left loose and waggling, the dry air penetrates through the soil to its roots, the winds shake it and it shrivels up and fails to grow, then comes the anathemas on the head of the unfortunate nurseryman who is charged with selling him dead trees or plants.

About a month ago I sent a package of a dozen roses by mail to a lady in Savannah, she wrote me a woful story last week saying that though the roses had arrived seemingly all right they had all died but one, and what was very singular, she said, the one that lived was the one that Mr. Jones had stepped on, and which she had thought sure was crushed to death, for Mr. Jones weighs 200 lbs. Now though we do not advise any gentlemen of 200 lbs. putting his brogan on the top of a tender rose plant as a practice conducive to its health, yet if Mrs. Jones, could have allowed her weighty lord to press the soil against the root of each of her dozen roses I much doubt if she would now have had to mourn their loss.

It has often been a wonder to many of us who have been workers in the soil for a generation, how some of the simplest methods of culture have not been practiced until we were nearly done with life's work.

There are few of us but have had such experience; personally, I must say that I never pass through a year but I am confounded to find that some operation, can not only be quicker done, but better done that we have been in the habit of doing it.

These improvements loom up from various causes, but mainly from suggestions thrown out by our employees in charge of special departments, a system which we do all in our power to encourage.

As a proof of the value of such improvements which have lead to simplyfying our operations, I will state the fact that though my area of greenhouse surface is now more than double than that which it was in 1870, and the land used in our florists business one third more, yet the number of hands employed is less now than in 1870, and yet at the same time the quality of our is stock infinitely better now than then.

Whether it is the higher price of labor in this country that forces us into labor saving expedients, or the interchange of opinions from the greater number of nationalities centering here that gives us broader views of culture, I am not prepared to state, but that America is now selling nearly all the products of the greenhouse, garden, nursery, and farm, lower than is done in Europe, admits of no question, and if my homely suggestions in this matter of firming the soil around newly planted seeds or plants, will in any degree assist us in still holding to the front, I will be gratified.

Thorough Culture.

Roots of plants go deep in the soil, and require also the moisture it contains. If the soil be thin, water lying on the subsoil injures the root. In breaking up the ground if the soil be thin, the subsoil, a little at a time, should be turned up, mixing both thoroughly. The value of a soil depends on the energy with which it absorbs moisture. Those who know, say soils differ greatly in this respect. All agree that the absorbing power of soils depends on their fineness. A watery vapor always in the air is imbibed by soils in greater or less degree, depending on the condition of pulverization. When this power in the soil is energetic, the roots of the plant are supplied with water, even in the absence of rain. These facts admitted, the importance of a fine soil is obvious. Sure, abundant and paying crops cannot be had without a *thorough pulverization of the soil.*—The whole soil should be very fine, so that rain-water with its ammonia and other fertilizing agents, may find its way to the roots of plants. The spade which breaks, turns and mixes the soil, makes a field much more fruitful than the plow, which breaks and displaces the earth without mixing it."—*American Rural Home.*

LONDON AGRICULTURAL SEED TRADE

From Messrs. John Shaw & Sons the well known Seed Merchants, of London, we have the following:—

MARK LANE, LONDON, E. C., June, 1879.

EDITOR FARMER:

An exceedingly quiet tone continues to characterize the Seed Trade, which, as is usually the case at this time of year, is entirely devoid of any feature of special interest.

Red Clover shows no signs of any increase of animation, but, nevertheless, values of all qualities suitable for holding over continues firm, but the browner descriptions of English are now offering at extremely low prices.

White and Alsyke are without alteration, a fair business still being done in both articles for speculation.

Trefoil has lately been in somewhat less favor; not that prices are weaker in any material degree, but there has not been that disposition to buy which was so strongly manifested a fortnight ago.

Rape and Mustard are both selling freely now and full prices are realized.

Hemp and Canary, though not actually lively, are in some what better request at unaltered values.

Blue Peas are still in good demand; there is strong enquiry for Haricot Beans.

FREDRIC HILL.

COMMISSION MERCHANT,

20 NORTH WATER STREET,

PHILADELPHIA.

HONEY, GREEN AND DRIED FRUITS.

ADVANCES ON CONSIGNMENTS TO

LONDON AND PARIS.

40:12 Correspondence Solicited.

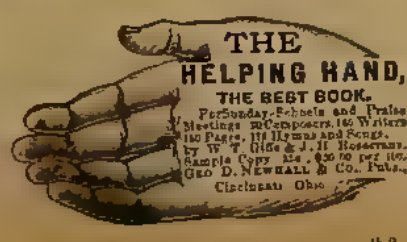
Very Rare Australian Seeds.

WE HAVE RECENTLY RECEIVED FROM AUSTRALIA large collections of the new varieties of the Eucalypti never before imported here, also, very rare TREE and SHRUB SEEDS, which are most desirable to introduce upon the Pacific Coast.

In order to scatter them widely, and thus have them extensively grown and more widely disseminated. We shall put them up into collections of ten parcels *each*, and mail them to order, at $5 each collection. Address

WARREN & CO.,

320 Clay Street, - - - San Francisco.


THE
HELPING HAND,
THE BEST BOOK.
For Sunday-Schools and Praise Meetings 80 Composers. 160 Writers 160 Pages. 118 Hymns and Songs.
by W. F. Gilo & J. H. Rosecrans.
Sample Copy Mail, $30 00 per 100.
GEO. D. NEWHALL & CO., Pubs.,
Cincinnati, Ohio.

4b 2

B. GRAVE & CO.,

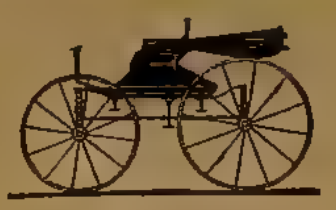
CARRIAGE MANUFACTORY.

The only Builders of the

OPPENHEIM DOUBLE BUGGY,

—AND—

ROCKAWAY COMBINED.



SINGLE

DOUBLE.

421 and 423 PACIFIC STREET,

SAN FRANCISCO.

49 11

NURSERYMEN AND FLORISTS ABROAD.

Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurseryman, especially, who have NEW and RARE kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our JOURNAL circulates there to a large extent.

This is the season when Nurserymen should make known what they have for sale.

Warren & Co.,

PROPRIETORS CALIFORNIA FARMER.

Best Fruit Dryer in the World.

HAMPTON & KELLY

—AND—

KELLY & COLE'S

FRUIT DRYER.

THIS MACHINE DRIES BY STEAM HEAT AND DOES not burn the fruit. It is very economical in its working machinery, and so perfectly simple that every family can use it in their homes; it is also perfectly safe.

In connection with this machine is an admirable GRINDER capable of grinding one bushel of fruit per minute.

The capacity of drying of the SINGLE DRYERS are from 20 to 30 bushels in 10 hours for each machine. Large machines will dry from 50 to 100 bushels in 10 hours.

Orders for these machines, for the present should be sent to Messrs. Kelly & Cole, First and Salmon Streets, Portland, Oregon.

A manufactory of these Dryers will soon be established here, and will be under the superintendance and management of ALFRED B. COLLVER, who is the General and Traveling Agent of all these inventions.

Mr Collver will have his office in this City a early day—all letters for him can be addressed through the Express or Postoffice to the undersigned, and they will have prompt attention.

ALFRED B. COLLVER.

N B.—Letters can be directed to me care of EDITOR FARMER, to whom we are permitted to refer for the excellent quality of our Fruit Dryer. A. B. C.

49:7

THE TRALL

Hygienic Sanitarium

No. 8. ELLIS STREET,

SAN FRANCISCO.

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D. C. MOORE, M. D.,
(Late associate of Dr. Trall,)
Resident Physician and Manager.

MRS. E. D. MOORE, M. D.,
Ladies' Physician and House Superintendent.

Send for Trall Health Journal.

49:7

Remitting Money.

We desire those who Remit us Money, to send it either in Checks on our *Banks here*, or by Post Office Order, or Green backs.

We desire this *specially of Newspaper Agents*, or others abroad who send *their Checks* on Home Banks—this occasions delay or expense to us in collecting, while it is just as easy for them to adopt the way we point out, and send us Cash Currency. These are our terms.

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WE SELL EVERYTHING FOR THE

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49:1

W. H. FLETCHER,

Shipping and General Commission Agent,

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MESSRS. WARREN & CO., San Francisco.

49:10

E. T. ANTHONY & CO.,

DEALERS IN ALL KINDS OF

TOBACCO

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SHEEP WASH

PURPOSES.

THE NEW SHEEP DIP.

We invite our wool growers to call on us and examine the NEW OMAHA SHEEP DIP the best preparation yet offered—one gallon dip makes 150 gallons wash.

407 and 409 Commercial Street,

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49:10

FARMS, RANCHES

—AND—

LANDED ESTATES FOR SALE.

Now that we have so many settlers of the BETTER CLASS coming to our State, those who have

Lands, Ranches, Farms,

—AND—

IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best, private Reading Rooms and Libraries in the United States.

☞ Advertisers will be wise that consult our columns. ☜

WARREN & CO.,

CALIFORNIA FARMER OFFICE.

NEW TOOTH POWDER!

The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath.

DAVID CLARKE'S

Eucalyptus Tooth Powder,

The BEST EVER COMPOUNDED and destined to supersede all others.

WARREN & CO., SOLE AGENTS,
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What to Eat. A Manual for the Housekeeper: giving a Bill of Fare for every day in the year. 134 pp., cloth..... 75 cts.

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Manual of Nursing. Prepared under the Instructions of the New York Training School for Nurses. By VICTORIA WHITE, M. D., and revised by MARY PUTNAM JACOBI, M. D.. 75 cts.

All these valuable books can be had at the FARMER OFFICE, and will be mailed by us Post Free on the receipt of the price named above.

WARREN & CO.

49:11

WANTED!

To all who Seek Profitable Employment

Ministers, Teachers and Farmers

Do you want to employ your leisure time satisfactorily send for an agency for your locality for one or more of following valuable books:—

THE PICTURE FAMILY BIBLE.

CHASE'S IMPROVED RECIPES.

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THE PICTURE HISTORY OF THE WORLD.

THE PACIFIC LAW ENCYCLOPEDIA.

THE ENCYCLOPEDIA OF WONDERS AND CURIOSITIES.

ACHIEVEMENTS OF STANLEY.

Send for full particulars. In every neighborhood there a demand for good books. Ladies will find this a remunerative business. Address

A. L. BANCROFT & CO.,

SAN FRANCISCO, CAL.

49:6

BOOK

—AND—

JOB PRINTING.

POSTERS, CARDS,

—AND—

CIRCULARS,

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PRINTING HOUSE.

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FRANCIS, VALENTINE & CO.,

44:1 PROPRIETORS.

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, JULY 17, 1879.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marble Building—Up Stairs.

FARMERS HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms. Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite attention.

Advertising Medium.

The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for one insertion, fifteen cents a line for any larger space. Each subsequent insertion ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,

PUBLISHERS CALIFORNIA FARMER,

San Francisco, Cal.

Editor's Chair.

Bills Sent Out.

We would hope that those of our patrons to whom we have sent bills, will kindly remember that a good many *little sums from each* would be of great advantage in times when money is of value.

Home.—Read our Home Page this week, our *Poets' Column* contains a selection of *gems* worth a careful reading.

Marriage constitutes three Columns of this week's issue, but the chapter we give we esteem of so much importance to human welfare and happiness that we have given the room of a page for so valuable an Essay.

Miscellany.—"Man as a Bonnet buyer" is an illustration of a man out of place, this and "Weather Prophet' and items, make our page.

Horticulture.—"The Use of the Feet in Seed Planting" is a chapter that all who plant seed should read, Mr. Henderson has done the world good service by his counsel, illustrated by his own practice.

"Thorough Culture" and the "London Seed Markets," should be noted.

Agriculture.—"How we Saved the Old Farm" is continued in this number, chapter IX. our farmers would do well to secure all the numbers of this Essay, as it is one of the very best stories ever written on this subject.

"Important to Farmers," a very brief article, yet very valuable for them to study.

Our European Letter.—We give on Front Page our regular Correspondent's Letter from Paris.

Our Washington Letter.—We most earnestly commend the *new Letter* received from Washington.

Letters Received.—We have on our table for next issue, a Letter from our kind Correspondent from "Yosemite Valley" with a very interesting sketch of the "Sunday School Assembly" there recently, all who are interested in that great gathering should read this Letter.

Analyses of Milk.—We have a very interesting and important Letter from "Elsome's Laboratory," N. Y., upon Milk and its properties, for our next.

California, Star of the West.—We have a beautiful Poem, original, for our next, dedicated to our State.

We have many other Letters which we shall give as rapidly as possible, both from Europe and from home, our table is now more than full.

Santa Clara College.

This highly distinguished College commences its Summer Term August 5th, with a large number of students, and a greatly increasing public favor for this Institution.

There is no College on our Coast that has so perfect and so complete a foundation for a student in every department of education, as the Santa Clara College.

Australia and New Zealand!

IMPORTANT INFORMATION.

Just Received at this Office

CLARKE'S

ILLUSTRATED QUEENSLAND

ANNUAL.

Containing valuable information relative to that great and wealthy section of country, and of importance to our Merchants, especially to all who do business with that country.

THE SEASON AND CROPS.

The present season has been a very peculiar and changeable one, unusually so, and most undoubtedly this peculiarity is owing in some degree to the planting system, in which the coming conjunction of certain planets are most seriously affecting all parts of our world, causing remarkable storms, most violent in their effects, with whirlwinds, tornadoes, floods, tidal waves, all of an unusual character—and yet while other parts of our own country and Europe are feeling these storms fearfully, the Pacific Coast has thus far been almost entirely exempt from them all, but how long we shall be exempt, time alone can tell.

California has been very greatly favored for a long time from any peculiar calamity; neither fires, floods, whirlwinds, earthquakes, or tidal waves have devastated our cities or towns to any great extent, and yet we might ask, what has California or her people done, to merit such special exemption that thus providentially has been granted to our favored land? This is a question all should seriously ponder.

The first half year of 1879 has passed away, and yet with the greatest general depression ever yet known on this coast, the great agricultural interest has been steadily advancing in spite of all these drawbacks, and although there has been an unusual complaint among our farmers of "Hard Times," the exports of our agricultural products have been greater in the first half of 1879 than in 1878.

The prospective *Grain crops* promises a very full yield, and although they are late this year, we venture the assertion that the grain crop of 1879, will fully equal that of 1878.

The *Wool clip* of the present year will be larger than the year of 1878, and its value by the recent rise will be much greater in value.

The *Fruit crop* of California for 1879 shows that it will be immense in all the various departments; and now while the many fruit preserving establishments of our State are working up to their fullest means, and hundreds and thousands of cans of our fruit in a dried and preserved state, and in jellies and jams are shipped abroad almost every day to all parts of the world, our markets are daily overloaded with tens of thousands of boxes, cases and baskets of fruits of all kinds, and as fine and luscious fruits as the world can boast, while the cost of this fruit is very low, as our fruit report on the last page of our Journal will show.

The *Vineyards* this year teem with promise of great abundance, and already so fruitful are the vines, and so strong in growth, that they already at the extremity of their branches show a second gathering of bunches, which should be nipped off even at some cost, that the full strength of the vine may be given to the main sett of bunches.

The increase of the *crop* of *Nuts* this year will be very large, English Walnuts, Almonds, Chestnuts, and even Pecan, nuts will give an immense yield—the latter (the Pecan) only small, being lately introduced.

Our *Raisin* and *Fig crop* enormous, and quality the very best—the "Blower Raisins" are now esteemed so excellent as to displace the need of foreign importation, and so great the demand of the "Blower Raisins" that it exceeds the supply.

The other varied crops of our State are all good and very abundant, and we see no reason why our farmers and producers generally, should not by means of the crops of the present year, come out from under the cloud and shadows of the hard times and close up their year in a good and healthy condition.

If our grain growers and all producers will but sell their crops promptly, realize and liberate themselves from all their indebtedness, and purchase for cash hereafter, they would save 25 per cent in price and soon see days of glorious prosperity

Realize for all their crops, use rigid economy, and purchase only for cash should be the watchword of every tiller of the soil, credit, high interest, warehouse rates, and interest of crops hypothecated, has been the ruin of thousands of our farmers, and ever will be, till they break from this thraldom of a bad custom, that has kept them in the power of money lenders too long.

THE FAIR SEASON.

The season of agricultural and mechanical fairs is near at hand, but very little notice of *where* or *when* these fairs are to be held, or what the inducements that will be held out to invite contributors to attend and exhibit at such fairs as may be now organized.

This Journal has always advocated a liberal expenditure of "Printer's Ink" in order to have these fairs well attended and successful. Every District and County Fair should be widely advertised in the journals of the county were held and elsewhere, where a benefit would accrue to such a fair.

The State Fair should be heralded over the entire State, to draw exhibitors from every section, no fair can be successful unless the people know all about it in ample season, so as to prepare for it.

One of the great errors in the management of all our fairs, has always been, that the people are not advised, they know nothing about them, nor hear of them until a few weeks before the fair opens; then a hasty preparation for the things for exhibit that is most likely to win a premium, and that is the chief aim, and thus the great purpose in establishing fairs is lost.

California is behind the age in the management of fairs—in the East they begin their work with the year, and give months of enthusiastic, energetic labor to them, until all the people know all about them, and all the people becoming enthused, take hold of the work and become interested exhibitors in a laudable competition, and there they make their fairs a success.

Catalogues.—A mountain pile of new and handsome Catalogues of Nurserymen, Seedsmen and Manufactures, all waiting notice and notoriety send along your Advertisements, Gents, then you shall have *especial* attention and notice that shall pay you well.

THE REVIVAL OF TRADE.

This is the hoped for, and the prayed for "Good Time Coming" upon which the fortunes and almost the lives, of many now depend.

Thousands of our business men over our State are watching for a "revival of trade" as wishfully as the tempest tossed mariner upon a leaky ship looks for the cry of "Land Ho" and the "Light House" that shall guide him into a port of safety.

California with as fine prospects and chances of prosperity as any State in the Union, and even more so, is now indeed like a tempest tossed ship, the Constitution under which our State was marching on prosperously has been changed, all our banking institutions and manufacturing interests have been jeopardized, what was *real prosperity* has been almost decimated in value, by reason of the reckless political chicanery that has thrown a fatal javelin into the very heart of all our industrial interests, and thus destroyed confidence in the mass of business men and the enterprises of the day.

It seems strange that our mercantile, commercial, and manufacturing interests, that have been so seriously injured and crippled should not arouse our best business men to some action that shall take all power out of the hands of those ignorant, illiterate and unprincipled partizans who are now at work to come into power, take possession of our State and sweep it onward to a Revolution, for this must be the result, if our State falls into the hands of the scheming partizan who desire to rule and who are backed up by the idle, vicious and ignorant masses, many of whom are unable to read or write, who are foreign born, and having no real property, but being in principle communists, agrarians, levellers, who are not and cannot feel or act in sympathy with true Americans or American Institutions.

These are the dangers that now threaten our City and our State, and unless the citizens who have much at stake shall arouse themselves and secure good and high-minded men to rule our City and our State, the *seeds* of the *revolutionist* will grow so rapid that our State will go down in the maelstrom of anarchy and ruin that *the foes of good government* have so long been laboring for.

Whoever reads the daily papers and notes the records of the corruption that stamps the masses of men who are now battling to obtain office, and thereby power, needs no seer or prophet to tell them of the danger that now besets our Ship of State.

There's breakers ahead!
We are on a lee shore,
Even the pilot is in dread
As the loud breakers roar,
All hands to the rescue,
Be noble and brave,
Come the tried and the true
And our ship we will save.

LOSS OF CROPS.

The continued complaints of our farmer of the steady decrease of their crops from a yield in past years, from 15 to 20 years back, and even the past few years does not seem to arouse them to a proper and just consideration of the prime cause of this failure.

For years we have urged them to consider the urgent necessity of restoring back to the soil a portion at least of the fertility that they, year by year, are subtracting from it.

And yet, we are constantly told by them that the soil looks good and they don't believe the land needs any manure; and yet, year by year they crop it, and year by year the yield is less and less, and they "having eyes see not, having ears hear not," and will not understand the cause of their own impoverishment.

And yet, where do we find in this State examples of our farmers covering their land with *bone meal, guano*, or any other fertilizer? California is the only State where there is such neglect to restore the soil that has been overcropped—every steamer almost that goes to Australia and New Zealand carries a large amount of bone fertilizer from the manufactory here; very recently 500 tons were sent in one order to New Zealand, and large lots are sent continually. No English cultivator pretend to cultivate the soil without a liberal supply of fertilizing material, for every intelligent cultivator in Europe knows it would be like stealing from Nature, to crop the land year after year and restore nothing back again, and our old pioneers can well remember the big crops of former years in this State of 60, 70 and 80 bushels of wheat, and 100 to 150 bushels of barley per acre 25 years ago, of which there are printed records of such crops still to be found.

The time has come now when our farmers must either fertilize their land and cultivate the soil wisely and justly, or abandon their farms, for the God of Nature has endured this robbery of the soil just as long as it can be done with impunity. The animals that work on the land must be fed or they could not work—the men that till the soil would not work unless they were well fed—but the farmers think the soil cannot complain, and so they work it year after year without food, but the earth will and does speak, and by its patient stillness and starving voice, by its with-holding its yield of a crop, says plainly,

FEED ME, OR I GIVE YOU NO FOOD.

The *bone meal* prepared by the Fertilizer Material Manufactory, Orlandt & Co., over in South San Francisco, is the best material yet prepared, and if our farmers are wise, they will, this very season as they take off their crops, give a good dressing of this *bone meal* to their land and plow it in, and they will soon see their gain.

Williams' Composite Pave.

We are glad to notice that our citizens, Messrs. Madison & Burke, the popular *Real Estate Dealers*, corner of Sacramento and Montgomery Streets, have arranged to put down opposite their place of business the "Williams' Composite Pavement" for as they say, the noise of the rattling of carriages and wagons *over the stone pave* makes it almost impossible to hear conversation inside their place of business.

The stone pave is one of the great evils of our City, both on account of the cost of the pave and the wear and tear to carriages and horse flesh, besides the discomfort of the noise so injurious, especially to the sick as well as to those in health.

CALIFORNIA MINERAL EXHIBITION, PARIS.

There are very few of our citizens who are aware of the great value and extent of the mineral exhibit that was made at the late Paris Exposition, and so well displayed and cared for by H. G. Hanks, Esq., the well known Assayer of our City.

It will be remembered that this grand collection was made up and prepared for Paris, but our State Legislature in its parsimonious spirit refused an appropriation to send it forward, and this grand display would never been shown to the world had it not have been for the magnanimous spirit of J. W. Mackay, Esq., who stepped forword and advanced the entire expense of the outfit and freight, over $5,000 and sent it forward.

This exhibition at Paris was the finest ever before exhibited, and did a world of good in making the riches and values of our mines known to the world.

The following is the number of the mines, represented in this grand collection.

137 Gold mines were represented.
92 Silver mines " "
23 Quicksilver mines "
18 Copper mines " "

and 287 different collection of various other minerals, these were shown in groups of 6, 8, 10 and 20, specimens each.

This grand collection is now on its way back from Paris, and will soon be here, when it is hoped some provision will be made by our incoming Legislature to secure this collection for a State Museum.

Mr. Hanks is now preparing a complete Catalogue of this collection, so that on its reception home again, it may be placed where the citizens of the Pacific Coast may see and examine these Gems of the Golden Coast.

SPECIAL EVENTS TO COME.

Already we see a hand on the wall indicating special and great events that will occur to affect all the business interests of this Coast.

1st. The withdrawal of large amounts of solid capital from our State to invest in *Real Estate* and *Stocks* in New York and other States, as a matter of *speculation*.

2d. The withdrawal of large amounts of capital to invest in *Grain* in Chicago, as has been done already by the purchase of nearly 600,0000 centals to lock up and *start* the market.

3rd. A great and grand move to create a furore in Stocks in New York, then transfer large amounts there, and with this, as a flush, to have our wildest manipulators in stocks go there and make the same excitement there as is known here, and if possible, make New York the "Head Quarters" of the Stocks of our Coast.

4th. One special movement for which our farmers are particularly interested just now is Grain Bags; well! one combination with their plans and hopes has subsided, and bags descended from 12½ to 8½, a decline of 33⅓ per cent. and broke the back of some who "hoped to be rich" but were not, by *this* first bag combination; now there is a hand writing on the wall that whispers of *another* move on the *chess board* of the *combination* that *wants to be*; and if completed as most likely, our growers that *wait two months longer* before they buy, must pay 12½ cents for them, this is *certain*, if they can but *control* the *cargo* of Grain Bags (2000,000) now close at hand, or if they can send this ship and cargo to some other and better market or to the bottom of the sea then "up go bags again"—so our farmers may take warning, as we have held up these signals to say, be ready, buy now, and save 33⅓ per cent. or you will lose by delay.

Messrs. Falkner, Bell & Co.

We call special attention of the great Wool interest of our State to the Wool Packing Warehouse of this eminent Firm.

Messrs. Falkner Bell & Co., were the first to inaugurate the system of large annual sales of wool, which excited a better attention to this great interest, their system of sorting and packing wools is the most complete on this Coast.

The same House are very largely interested in immense flocks of sheep, they buy and sell sheep by the tens of thousands, recently they sold S. H. Kennedy, Esq., of Omaha, *seventeen thousand fine sheep*, to go to Cheyenne for Mr. Post of that country.

Messrs. F. B. & Co., are large buyers, sellers and exporters of Wool, Grain, etc., they are Agents for the sale of the "Sheep Dip" named in their Card in our Columns; they buy and sell farms and ranches and do a very extensive Commission business, and are a House of very large means and extensive trade, and of the highest standing, thus having the power of advancing the interests of all who wish any business well and promptly done.

Asbestos Roof Paints.

These are strictly first-class paints, prepared ready for use, expressly for preserving tin and other roofs, and contain no tar, cheap oils, or other offensive or deleterious ingredients. They are supplied in two colors, viz.: a rich brown and silver gray. They possess a very elastic body, and are not liable to injury from being walked upon. Old leaky tin and other roofs can be restored and rendered serviceable for many years with these paints (in connection with the Asbestos Cement). They are also valuable for shingle roofs, exposed brick walls, fences, iron work, gas holders, etc.

These paints are guaranteed to be better and more economical paints than have ever before been offered to the public for similar purposes. 1 gallon will cover 250 or 300 square feet.

Our farmers should be sure to cover all their buildings with this protecting paint, the very best for roofs and all similar exposed places, to protect from summer heat or winter rains.

Ward's Fertilizers.—These very superior kinds of *Fertilizers* and also *Insect destroyers* should be universally used upon plants and flow or

AGRICULTURAL FAIRS.

FOR THE YEAR 1879.

FOREIGN FAIRS.

AUSTRALIAN INTERNA'L EXPOSITION.
FAIR AT SYDNEY.
Commences Sept. 1—Continues 6 months.

CENTRAL CANADA FAIR.
FAIR AT GUELPH.
Commences Sept. 15—Continue 5 days.

ONTARIO PROVINCIAL FAIR.
FAIR AT OTTAWA.
Commences Sept. 22—Continues 6 days.

THE OLD STATES.

AMERICAN POMOLOGICAL SOCIETY.
FAIR AT ROCHESTER, N. Y.
Commences Sept. 17—Continues 3 days.

AMERICAN INSTITUTE FAIR.
FAIR AT NEW YORK City.
Commences Sept. 15—Continues 16 days.

NEW ENGLAND FAIR.
FAIR AT WORCESTER MASSACHUSETTS.
Commences Sept. 2—Continues 4 days.

MASSACHUSETTS HORTICULTURAL FAIR
FAIR AT BOSTON
Commences Sept. 9—Continues 4 days.

MAINE STATE FAIR.
FAIR AT PORTLAND.
Commences Sept. 16—Continues 4 days.

CONNECTICUT STATE FAIR.
FAIR AT HARTFORD.
Commences October 14—Continues 4 days.

VERMONT STATE FAIR.
FAIR AT MONTPELIER.
Commences Sept. 9—Continue 3 days.

RHODE ISLAND STATE FAIR.
FAIR AT CRANSTON.
Commences Sept. 9—Continues 3 days.

NEW YORK STATE FAIR.
FAIR AT UTICA.
Commences Sept. 8—Continues 5 days.

NEW JERSEY STATE FAIR.
FAIR AT WAVERLY.
Commences Sept. 8—Continues 6 days.

DELAWARE STATE FAIR.
FAIR AT DOVER.
Commences Sept. 22—Continues 7 days.

OHIO STATE FAIR.
FAIR AT COLUMBUS.
Commences August 25—Continues 5 days.

PENNSYLVANIA STATE FAIR.
FAIR AT PHILADELPHIA.
Commences Sept. 8—Continues 13 days.

ARKANSAS STATE FAIR.
FAIR AT LITTLE ROCK.
Commences October 20—Continues 5 days.

ILLINOIS STATE FAIR.
FAIR AT SPRINGFIELD.
Commences Sept. 29—Continues 7 days.

INDIANA STATE FAIR.
FAIR AT INDIANAPOLIS.
Commences Sept. 29—Continues 7 days.

ST. LOUIS FAIR.
FAIR AT ST. LOUIS.
Commences Sept. 22—Continues 20 days.

VIRGINIA STATE FAIR.
FAIR AT RICHMOND.
Commences October 28—Continues 4 days.

NORTH CAROLINA STATE FAIR.
FAIR AT RALEIGH
Commences October 14—Continues 6 days.

WISCONSIN STATE FAIR.
FAIR AT MADISON.
Commences Sept. 8—Continues 5 days.

MICHIGAN STATE FAIR.
FAIR AT DETROIT
Commences Sept. 15—Continues 5 days.

NEBRASKA STATE FAIR.
FAIR AT LINCOLN.
Commences Sept. 8—Continues 5 days.

MINNESOTA STATE FAIR.
FAIR AT ST PAUL.
Commences Sept. 1—Continues 6 days.

MINNESOTA AG. & MECH. ASSOCIATION.
FAIR AT MINNEAPOLIS.
Commences Sept. 1—Continues 6 days.

GEORGIA STATE FAIR
FAIR AT MACON.
Commences October 27—Continues 5 days.

MONTANA STATE FAIR.
FAIR AT HELENA.
Commences Sept. 29—Continues 6 days.

CHICAGO AGRICULTURAL FAIR.
FAIR AT CHICAGO.
Commences Sept. 3—Continues 16 days.

COLORADO STATE FAIR.
FAIR AT DENVER.
Commences Sept. 23—Continues 5 days.

PACIFIC COAST.

CALIFORNIA STATE FAIR.
FAIR AT SACRAMENTO.
Commences Sept. 8—Continues 6 days.

MECHANICS' FAIR.
FAIR AT SAN FRANCISCO.
Commencing August 5—Continues about 1 month.

OREGON STATE FAIR.
FAIR AT SALEM.
Commences Sept ——Continues — days.

NEVADA STATE FAIR.
FAIR AT RENO.
Commences October 7—Continues 6 days.

Our Agricultural Fairs.

We invite attention of all interested in Agricultural Fairs to the best list published on this coast. Our District and County Fairs will appear as soon as Secretaries wake up to duty and send in their lists.

FURST & BRADLEY'S SELF-DUMP SULKY RAKE.

The Attention of Farmers is called to the merits of this Rake, and its great superiority over all Self-Dump Rakes heretofore brought to the notice of the public. The Dumping is done by friction bands around the ends of the hubs giving full control of the Rake to the operator, so as to be able to carry the teeth clear of the windrow. This does away the necessity of ratchets and pawls which is so objectionable in all other Self-Dump Rakes. The teeth are of the BEST CAST STEEL and have a double coil which renders them capable of the most severe work.

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GEO. A. DAVIS, Agent,

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A SPLENDID ESTATE.

One of the finest estates on this coast can be purchased on the most liberal terms and at truly advantageous rates, adding to any gentleman, of means and taste, a rare opportunity to secure to himself an elegant location all ready made, with ORCHARDS, VINEYARDS, ORNAMENTAL, and GARDEN GROUNDS, all yielding a large income from the sale of Fruits, Wines, and other products annually.

This estate comprises from 300 to 350 acres of the finest land on this coast, admirably located, between well sheltering hills, in as beautiful a valley as can be found, and isolated from any other landholders, thus giving a true principality and a royal domain.

The reason of sale now is, the desire of the owner to retire from so active a duty and so great a charge, to one of many years, as the care of such an estate demands, when the gathering of Fruits, marketing the same, the making of Wines, that the proper care of Orchards, Vineyards, etc., requires.

The income of this estate approximate to $20,000 annually, and to a company, or to any person, who will give due and proper care to such an estate, the whole property could be made with the income and profits in four or five years.

No description of this estate would do it justice, it must be seen during its heavy bearing crops to be appreciated, and now is the time for any person who wishes to secure a splendid and beautifully located country home to visit and examine the estate.

There are at present on the estate a neat cottage, wine and fruit houses, stables, etc., with ample surroundings for making a truly modern beautiful home.

What an opportunity for a truly prosperous enterprise in fruit raising and fruit preserving, and the leading fruits for export, both for fresh and dried, and also for wine making.

We give the proof of what a solid foundation there is on this estate for such an enterprise, by showing the extent and the number of trees now in bearing upon this fine estate, in the following data.

The Vineyard is one of the best in this State as to the selection of the vines and the variety, and to their present health and bearing state, being in their very prime. The Vineyard covers 35 acres, and is most perfectly located, so as to receive the morning sun.

The Orchards are most admirably located, trees are the choicest, all in the most perfect health and in full bearing, and their numbers, near as possible, are as follows

Cherry	1,000
Pear	800
Apple	700
Peach	700
Plum	300
Quince	200
Pomegranates	60
Almond	50
Fig	50
Walnut	70
Orange, large	50
Orange, small and new kinds	750
Vineyard named above, acres	35

A beginning and a basis for a splendid Orangerie of great value with the young Orange trees named above.

This immense collection is the grand basis of a fortune.

Here there is the foundation for a grand enterprise for raising choice fruits for our markets.

For making Raisins for export.
For Drying and Preserving for export.
For exporting Fresh Fruits East.
And for making Wine.

To a company of young, active, enterprising men, perhaps four, who should each assume the head of different departments, viz:

One for Market Fruits.
One for Raisin Making.
One for Wine Making.

And one, a General Manager, to employ and pay men and superintend the labor department—such a division of labor making a certain success for all.

Here with a reasonable capital of some $15,000 in hand, a property of more than $50,000 could be controlled and could be made and cleared in less than FIVE YEARS.

The location of this property for beauty of scenery, for excellence of position to many markets, at home and abroad, is unequalled; and the reputation of the fruit grown on this estate is so famed that the highest price is always obtained for fruits bearing the name of these orchards.

Now then, in times like the present is an opening for a splendid enterprise, the reason of the sale of this estate is the declining health of the owner and his advanced age.

The title to this estate is the most undoubted, and clear proof of the certain success of the prosperity of such an enterprise to energetic and capable men, can be clearly made manifest.

All particulars can be had by *bona fide* purchasers, by addressing EDITOR FARMER.

URANINE.

This wonderful new compound which has excited so much wonder and admiration, and which is so valuable as an Analine Dye, has been received by us and will be offered for sale by us at early day. We can show it as illustration of its magic power—a single grain will color 350 gallons of water. For sale at

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LITTLE'S CHEMICAL SHEEP DIP

THIS NEW NON-POISONOUS SHEEP DIP, PRICE $2.00 per gallon. For directions and testimonials. Apply at

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Hop Dealer and Commission Merchant.

HOPS AND BARLEY SPECIALTIES.

Pressed Hops in ½, ¼, and 1 pound Packages.

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OPENS AUGUST 5, 1879.

SCIENCE, ART, INDUSTRY AND NATURAL PRODUCTIONS will be fully represented.

GRAND INSTRUMENTAL CONCERT each afternoon and evening. MACHINERY IN MOTION, RARE PAINTINGS, FINE STATUARY, A TROPICAL GARDEN, FOUNTAINS and PROMENADES will make this Exhibition the most instructive and pleasant place of resort on this coast.

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Straw Papers,
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—AND—
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MILK, WINE, CIDER

All kept sweet indefinitely by arresting fermentation. Water—the muddiest—made pure and clear as crystal. Enough for ten barrels sent on receipt of "One Dollar." Agents wanted. Address ELSOM'S LABRATORY, Forestville, Chatangua County, N. Y. 49:13

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A SPLENDID WORK IN THREE VOLUMES, ELEGANTLY illustrated with plates of the finest Berkshire Swine in the United States and the Canadas, sent out by the American Berkshire Association, is now for sale at the CALIFORNIA FARMER OFFICE, 320 Clay Street.

FAMILY FRUIT DRYER.

A VERY ECONOMICAL FRUIT DRYER AND ONE that can be used upon the COOKING RANGE in the family with very little care or attention easily managed, doing the work perfectly, the best and cheapest Dryer known, can be seen at the office of the CALIFORNIA FARMER 320 Clay Street.

FRESH EUCALYPTUS SEED.

Fresh seed of the EUCALYPTUS GLOBULUS just received from Australia—VERY EXTRA QUALITY.

Also twelve New Varieties not before introduced here, but valuable kinds.

For sale at the FARMER OFFICE 320 Clay Street.

DEERE & COMPANY,

MANUFACTURERS OF THE

JOHN DEERE MOLINE PLOWS.

MOLINE PLOW WORKS.

11-INCH STUBBLE PLOW.

THE WORLD'S FIRST PRIZE AT THE VIENNA EXPOSITION IN 1873.

The points sought for in plows are steadiness of run, ease of draft, perfect work, and durability—and these important considerations we think we have secured to our plows. This was so decided by the Committee at the Great Vienna Exposition, who awarded the prize to our plows.

THE DEERE GANG PLOW.

Its ingenious construction and simplicity are shown in the fact that by *one lever* it is operated to any required depth. Opens up the first furrow and finishes the land by simply *moving the lever* from one notch to another, the plows maintaining a level position at all depths; and by pressing the same lever outward until it locks into a lug on the hub, the plows are carried clear of the ground by a half revolution of the wheel.

Its strength and durability are shown by merely stating that it is all *iron and steel*; and although there are many lower priced Gangs than ours, its cheapness is demonstrated by its greater durability and superior adaptation to the purpose for which it is designed. The DEERE GANG has an advantage over others, also in its lightness of draft, as has been proved in many dynamometer tests, and the many farmers having them in use have become satisfied, by comparative *team tests*, that no draft is added by the weight of frame and driver; and this is accounted for by the well known fact that a heavy load can be carried on wheels easier than a lighter one can be dragged on the ground.

The principle on which the DEERE GANG is constructed is such that the tendency of the plows to run at greater than the required depth is arrested by *the lever*, and the weight of plows and earth upon them, as well as that of the frame, is transferred to and carried by the wheels.

IRON BEAM PLOW.

The stickiest soil will not adhere to the working surface and more and better work can be accomplished with them each day, with ease to team and plowman, than with the plows of any other make.

They have been awarded the highest prizes ever offered in the country on plows, and have successfully carried off the prizes offered by the agricultural societies of the different Western States, and last season was awarded the GRAND PRIZE in field trial at the PARIS EXPOSITION, besides many prizes at other European trials of lesser note.

DEERE & COMPANY,

MOLINE, ILLINOIS, U. S. A.

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

Full Directions for Use Accompany every Box.

CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

Clarke's

LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1872.

To MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed *good health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON.

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 23, 1874.

TO MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)

JOHN GREEN,
Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus:

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir*:

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,

GALEN CLARK,
Commissioner Yosemite Valley.

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, coming from so high a source, we feel it a duty we owe to the public to give it the following letter:

SANTA CLARA, SANTA CLARA COLLEGE.

COL. WARREN—*Dear Sir*:

Heretofore we have had no occasion of trying the Eucalyptus Medicines, in Pills or Liquids, but we have commenced to use them, and we find them very beneficial, some of our Fathers find a great relief in their complaints; the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare. Yours respectfully,

A. CICHI, S. J.

At later date we received the following, another proof of the virtue of this Medicine:

The Pills we find to be a mild and beneficial cathartic. The Liquid Extract is a valuable Blood Purifier and a good appetizer A. CICHI, S. J.

The above from Prof. Cichi, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedial.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you David Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY

David Clarke,

Manufacturing and Wholesale Chemist,

AT HIS LABORATORY,

Warwick, Queensland.

FOR SALE BY

WARREN & CO.,

SOLE AGENTS FOR THE

UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

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Yosemite and Pacific Coast Views,

—ONLY AT—

427 MONTGOMERY STREET
San Francisco. 49:10

Home Miscellany.

"There is no place like HOME.
Home! It should be Heaven on Earth

COMPENSATION.

There's not a heath, however rude,
But hath some little flower
To brighten up its solitude,
And scent the evening hour.

There's not a heart, however cast
By grief or sorrow down,
But hath some picture of the past
To love and call its own.

A ROSE IN A GLASS.

BY SUSAN COOLIDGE.

Only a rose in a glass,
Set by a sick man's bed;
The day was weary, the day was long,
But the rose it spoke with a voice-like song,
And this is what it said:

"I know that the wind is keen,
And the drifted snows lie deep;
I know that the cruel ice has spread
O'er the laughing brook and the lake's blue bed,
And the fountain's rush and leap.

I know, I know all this;
Yet here I sit—a rose!
Smiling I sit and I feel no fear,
For God is good and the spring is near,
Couched in the shrouding snows.

Canst thou not smile with me?
Art thou less strong than I?
Less strong at heart than a feeble flower
Which lives and blossoms but one brief hour,
And then must droop and die?

Surely, thou canst endure
Thy little pains and fears,
Before whose eyes all fair and bright,
In endless vistas of delight,
Stretch the eternal years!"

Then o'er the sick man's heart
Fell a deep and hushed repose.
He turned on his pillow and whispered low,
That only the listening flower might know:
"I thank thee Rose, dear Rose."

THE SECRET OF HAPPINESS.

S. B. RUSSELL.

What should I seek, and what desire,
To that my days may joyous be?
Where shall I find the hidden fire
For faith that may never cease to be?
First, in myself my search must rest
Ere it go forth upon its quest.

Bright my own soul, pure my intent,
So shall I walk to find my joy;
Self in the common welfare blent;
Swift to uphold, slow to destroy;
Knowing each heart hath secret good,
Often not known or understood.

Welcome must each true impulse seem
Felt by a brother, or friend, or foe;
Never be held in light esteem
The blessing another's work may show.
So must the measure be just and fair
For another's goodness, toil, or prayer.

To walk where the sunshine loves to fall,
Or kneel in the shadow, subdued and still,
Hear every voice that in love may call,
Patient in strife, resigned in ill.
So shall each day hold something blest,
And the soul attain its longed for rest.

O, thou whose heart is a world of care,
Whose thoughts in a fever come and go,
Strive with the strength that is born of prayer,
Peace to thy spirit first to know;
And seeking ever some human good,
Find a crown of gold for thy cross of wood.

WHERE ARE THE WICKED ONES LAID?

BY PHILMORE.

Ho, Sexton, come hither and tell me,
Thou Knight of the pick and the spade.
I see where the good ones are buried;
But where are the wicked ones laid?

Yon shaft, with the granite foundation,
Forever points up to the sky.
It tells me, in characters graven,
That the great and the virtuous die.

Here, hid in the grass and neglected,
Alone stands a tablet of wood.
I can trace fading lines indistinctly
That speak of the poor, but the good.

Tell me, thou faithful old Sexton,
Have ye none but the good buried here?
The rich and the poor have their mourners,
But no names of the wicked appear.

What say you, in unhallowed ground,
A grave with no stone at the head?
It is true that such may be found,
But he was a stranger that's dead.

Had he but one friend? Who has not?
No matter what life he had led;
His sins would all been forgot,
Just as he is, now he is dead.

Who says that the wicked shall die?
For so it has often been said.
If so, ancient Sexton, say why
There are none buried here with the dead?

True Education.

Education does not commence with the alphabet. It begins with a mother's look—with a father's nod of approbation, or a sign of reproof—with a sister's gentle pressure of the hand or a brother' noble forbearance—with a handful of flowers in the green and daisy meadow—with birds' nests admired and not touched—with humming bees and glass bee-hives—with pleasant walks in shady lanes—and with thoughts that are uttered in sweet and kindly tones, and words that mature to acts of benevolence, to deeds of virtue, and to the perception of all good.

There are inscriptions on all human hearts, which are never to be seen, except at low, dead tide.

MARRIAGE.

[The following chapter on MARRIAGE, its needs and wants, and the requisite qualities required by a woman, we select from *The Science of New Life*, a valuable work published by John Cowan, M. D., of New York, and which we commend to all who intend to enter the married life.—ED. F.]

QUALITIES THE WOMAN SHOULD AVOID IN CHOOSING.

As there are qualities in women which men in their choice should be careful to avoid, so there are qualities, positive and lasting in their effects, which women who desire a happy married existence should be especially careful to avoid in men.

Women do not as yet possess the privilege of making marriage proposals, but they do in the very broadest sense of the word choose the one whom they prefer, and this choice, affecting so vitality their welfare, should be positive in its enlightened exercise. Though marriage and parentage are the purposed intention of woman's existence, yet they should not allow the anxiety of a feverish and misdirected desire to constantly obtrude itself at all times on all observers; for until the age of twenty-one, or better, twenty-four is reached, woman should do nought but grow in body and mind, cultivating—in the quiet walks of life, in the busy marts of trade, or in the sphere of the professions, as her lot may be cast—those positive traits of character and finer qualities of soul which spring out of a life well and perfectly grown—a ripe woman, truly capable of working, thinking, loving, and especially of taking on the tender duties and arduous responsibilities of a mother.

A girl does not reach womanhood until she is twenty-four years of age, and until she arrives at this age the thought of marrying and marriage should be to her a very minor consideration. But if she has arrived at twenty-two or twenty-four years of age, fully grown in mind and body, free from disease, well versed in all the requirements necessary to the working and governing of a house and family, she should avoid, in her choice of a husband, a man who has not perfect health. Ill health, whether inherited or acquired, is not to be desired in either the father of a family or the provider of a family, and all women who think more of health than sickness, or pleasure than misery should unhesitatingly reject such.

Closely allied to ill heath—it may be the underlying cause of it—are habits essentially bad, foul and filthy—namely, the use of tobacco and alcoholic liquors; and the victims of these two habits, O woman trusting and pure, I warn you to shun! I warn you, as you hope for a clean, healthy and enjoyable married existence, to avoid marrying a man who comes to you—exuding from his breath, his clothes, his body, his very soul, the dirty effluvia of tobacco, the excreted essence of his selfish, unnatural, perverted desires—with the intention of marriage, with a hope of uniting his foul body to your pure existence. Reject, promptly and positively, his acquaintance, as promptly and positively as you would a chew of his fine-cut tobacco or a puff from his cigar.

It has been to me one of the unsolved mysteries, how a woman with fine instincts, clear intuition, pure mind and clean body, could accept the company of—much less live in union with—such a man. There are thousands, aye, millions of women who do it, and *how* do they do it? Will some such woman inform me? It can be accounted for only by the supposition that such women take after, and are the daughters of farmers whose existence was tinctured with tobacco, and who therefore get, not to like it, but simply to endure it. In no other way can it be explained; for—and the question again asserts itself—how can a healthy, pure woman, born of healthy, pure parents, affiliate with a man impure, unclean, unhealthy from the use of tobacco. Girls, women and mothers, think of these things, and reflect and act on them.

A lady friend of the author declined three different offers of marriage, and all of them from men of influence and position, simply because they used tobacco, and she remained single until the opportunity presented itself of a union with a man who had never known its use, and she now enjoys a happy, pleasurable married life. Women, one and all, I urge on you the rule of *freedom from tobacco, or no husbands.*

An adjunct and accessory in those who use tobacco are divers other bad habits. A man who uses tobacco will generally be found an intensely lustful man, and for this reason especially to be avoided by all right-thinking women; but pre-eminently is the tobacco-user an imbiber of strong liquors. Tobacco and alcoholic liquors are as closely and harmoniously connected as are day and night. The exceptions to this rule are so rare that it may be considered a law, that no man chewing, smoking or snuffing tobacco, but publicly or privately uses alcoholic liquor, in some one or other of its poisonous formulas. This being so, the reasons for women, avoiding all tobacco-users increase in an intensely vital ratio.

That alcohol and alcoholic liquors—whisky, rum, brandy, champagne, wine, beer, ale, cider, etc.—are detrimental to the welfare and happiness of the individual, no right-thinking person will deny. That they in themselves are the cause of wide-spread sickness, sin, suffering and misery, all observing natures will affirm. A man whose finer senses have grown blurred, whose inner conscience is paralyzed, whose soul is deformed with *moderate* drinking of strong drinks, is not the man to look to for high hopes, pleasurable expectations, or holy aspirations, and is to be carefully shunned as a choice for a husband, or even as a companion. It does not require that a man be seen on the streets drunk to affirm his character as a lover of, or victim to spiritous liquors; for a man may use liquor a life-time and never be drunk, and yet his body, soul and mind may be so befogged, blurred and grimed with moderate drinking as essentially to place him below the level of some of the higher order of inferior animals. If a man is the son of a parent or parents who have been moderate or immoderate users of liquors and tobacco, you can with a certainty decide that the son, if not already, will soon be a follower in their footsteps. Poverty, sickness, rags, misery, premature death, follow closely on the wake of users of tobacco, and moderate or immoderate users of alcoholic liquors; and therefore, O woman, be guided by these facts—etchings from the records of ages—and shun the users of tobacco and wine, and let your decision be, *freedom from tobacco and alcoholic liquors, or no husbands.*

As already mentioned, there is allied to and ingrained with liquor and tobacco an overgrown, perverted amativeness, exercised not in the bright light of day, or in the pure social companionship of sister, mother, or a "nearer and dearer" one; but in the dark ruts of disease and pollution, and with those "whose feet take hold on hell." Why should a man live a life of social sin, breaking every week of his single existence the seventh commandment, and yet be looked upon by society with favor? Why is it, that if a woman makes one mis-step in the obeying of this same commandment, society points its finger in scorn at her, tramples and crushes her to the earth? Can you tell me why this is so, and with whom the solution rests? Who is it that looks with such favor on the acknowledged "fast man" or "rake," who is thought so much more of because he is sowing, or has sowed, his "wild oats?" Woman! Who is it that so unpitifully and unmercifully tramples under foot the woman on whom the wiles and deceits of, perchance, this same "fast" man has doomed to but one breaking of this same seventh commandment? Man? O no; woman! Is this just? Is this righteous? If woman desires to elevate her own sex, to rise out of the position of slave to her right one of equal, she must disown and refuse to acknowledge any acquaintance with a man who has a reputation for licentiousness, and instead of putting to shame a fallen sister, take her by the hand and help her to a higher standard of life, and instead of courting the acquaintance of her traducer, trample *his* reputation in the mud, and shut him out from the circle of all pure society. Believe me, dear women, if you adopt this correct and only just mode of procedure, you will do much toward the right adjustment of one of the great wrongs of our social life.

Therefore, as you value a pure married existence, a happy, enjoyable love-union, avoid marrying a man whose reputation is tarnished with either tobacco, wine or women.

Avoid accepting an effeminate man, for he, lacking the requisites that go to make a perfect man, and lacking the formation for a perfect woman, approach the mediocre, and is as small and effeminate in soul and mind as in body. A full or large and well-built man approaches to the noble, generous and perfect in mankind, and is always the most desirable for a husband.

But if the woman is of small build, she must avoid marrying one of these large men, and accept one nearer her own height; and she can do this and yet avoid the effeminate man, who is essentially neither tall nor short, but an almost distinct genus, and almost impossible to confound with any other type of the race.

In this connection, it might be attempted to demonstrate that the effeminacy of the majority of men can be established by the nature of their occupation. Witness any of our dry-goods establishments, and the men therein, who sell you a spool of thread or a yard of tape, monopolizing a branch of trade that is essentially woman's. Think you, dear woman, that a man possessed of the innate qualities of a *true* man—largeness of soul, strength of character, clearness of mind, and freedom of spirit—would be confined in a close atmosphere of slavery, from early morn to late night, doling out threads, tapes, cottons? No; he would accept, as more supremely honorable, manly and ennobling, the position of a hewer of wood and drawer of water. With the untilled lands of half a continent waiting for the turning up, and into, wealth, health and happiness, what business has this class of men, with their legion of effeminate co-workers, in our cities and towns? Do not marry, or recognize as a companion, a man whose soul is not educated to compass more than a yard of tape, or the contemplation of a row of pins.

Especially avoid a man who has got no visible means of support, for the suspicion of a misused life is always to be attached to such.

The argument against the man's marrying his blood-relations applies with equal force to woman. She should not marry her cousin, nor any man nearly or distantly related.

So also of widowers, or men who have had one or more wives, whose premature deaths—as is the result in nearly all such cases—have been caused by a hugely overgrown, misdirected, abnormal amativeness, causing, in the minds and bodies of his so-called wives, intense misery, bitter disgust, sickness, and altogether a wretched existence, cut short by premature death. It is not necessary to here say of such men, for every town, village and hamlet has its living prototype. No women having fine and clear intuitions, and a lover of the pure and right, need be warned against the marrying of such licentious Bluebeards.

In the same category, and next in number and nature, are divorced men. Do not marry a divorced man.

Nor a man of irreligious and profane shade of mind.

Nor a man who is known to frequent gambling tables and places of like character.

Nor a man who has an established reputation as a mean, sordid, close-fisted man.

Nor a man who has the out-croppings of a lazy, inert, shiftless character, for such carry in their wake a world of untold misery.

Nor a man who treats his sister or mother unkindly or indifferently. Such treatment is a sure indication of meanness and wickedness.

Nor a sloven, for a man who is negligent of his person or dress, is filthy in his habits, and his external appearance is a sure index of his soul.

Never marry a stranger, or one whose character is not known or tested. *Some women jump right into the fire with their eyes wide open.*

And finally, never marry simply for money or a home. These things are requisite accessories to a marriage; yet no woman having a just respect for her independence of body and soul, should so far degrade her higher nature as to marry for other reasons than the full acquirement of perfect happiness, that comes of a union in harmony with the Law of Choice.

These objections being considered and noted, the question occurs: How is the woman to put them into practice? She being an entirely passive party in the required approach to a choice, not much is required, other than that she shun hypocrisy and deceit, showing herself in her every-day character, and in her every-day thoughts and habits of action; and that the man or men who visit her have none other than reputations that approximate a high standard, and characters that do not in a large measure conflict with hers. This knowledge can be acquired by well-directed observation and inquiry; but, better still, a talking of, followed by suggesting and asking his or their phrenological analysis of character. On his receipt and perusal she can tell if he possesses such traits of character as are desirable in an acquaintance or companion; or, if she possess a chart of her own, she can by comparison tell whether he approximates her level of character, and by spoken words, or plainly expressed likes or dislikes, can so impress her male friend as to give him to understand her thoughts on the situation, and in this way reach the desired end.

Not succeeding in this mode of finding a desirable mate, the thought occurs: "Am I, too, privileged to advertise?" Though I have warmly urged men to advertise for wives, I am in doubt as to the desirability of extending the privilege to woman. Not but that she is equally entitled to this privilege; but society's "prudish prudes" would put wrong constructions on it, and more especially because the world is cursed with a class of men who, wherever woman is implicated and the chance offers, exercise the low and filthy of their natures. Yet these vampires may be thwarted; and should the woman possess that requisite of character that can laugh at society's sneers, she may and can advertise as does the man. If she possess a father, brother, or male friend, who, when replies come to such an advertisement, would open and read them, and so sift the chaff from the wheat, all danger and impropriety could be avoided.

Should these two modes of securing a husband, in accordance with the Law of Choice, be without success, what then?

Wait patiently and hopefully; doing the work accorded you in life's vineyard—not with mute repining or grievous complaining, but smilingly, trustingly, nobly, making your existence one of practical usefulness, reflecting in your face a life well lived, radiating from your contented soul joy, happiness, and peace to your fellow-workers.

This feverish desire of girls to get married before they have reached woman's estate, is in itself an evidence of things wanting—of a body undergrown, and a mind narrow and perverted—of a growth and cultivation at variance with Nature's just laws. These wrongs are largely—if not altogether—to be ascribed to the mother, who, before the girl is well out of pinafores, instills in her mind the absurdity that her aim in life is to get married, and, to reach this end, no opportunity must be shunned to secure its attainment. Of the results of this education, in its practical application, there is no need to write of, for are not the highways and byways of life crowded with heart-sore devotees of early marriages, whose unhappiness, if not suffering and misery, should determine all rightly educated girls and women to patiently wait and knowingly choose?

"But I dread the name and life of an 'old maid!'"

This, again, proceeds from your wrong growth and education. The term "old maid" is used in derision only by those whose natures are of a low order, and whose opinions, therefore, are of very small moment. "Some of the nearest approaches to the perfection of a woman's nature have been made by maidem women, and they reach this high eminence without brushing off the bloom of their modesty by ostentatious displays of their self-sufficiences. They pursue this high calling without noise, almost without being aware that they are moving in an exalted sphere. Their thought is not of spectators. They ask not the acclamation of the world. Their eye is not upon their reward. In their work they find their motives and their wages. They live in their sympathies, and walk in the sunshine of their own broadly-diffused love."

I record it as an indisputable assertion, that, unless a woman is united to a man according to the Law of Choice so clearly enunciated herein, that she had better, if her desire in living is as it ought to be—happiness and a pure and perfect growth in body and soul—remain single—live single, die single; and if you are inclined to doubt this assertion, observe and inquire for yourself into married life as it is, and any doubts you may have will be speedily dissipated.

Girls! entertain no thoughts of marriage until you be full-grown—until you have arrived at the time termed womanhood. Women! choose and accept only such offers of marriage as will tend to make your united existence a perfect unity, as is acquired for the birth and growth of love and its attendant pleasures. Failing this, *remain single*, doing your life-work with an earnest nobleness of purpose, growing in strength, beauty and purity of soul.

Bad Temper.

Bad temper is a crime, and, like other crimes, is ordained in the course of nature to meet, sooner or later, its merited reward. Other vile passions may have some points of extenuation, the pleasure, for example, which may attend their indulgence, but ill-nature—that is, a fretful, fault-finding spirit, in its origin, action, and end, has no extenuating quality; and, in the application of the old principle, "with what measure ye mete, it shall be measured to you again," will find a most pitable end.

Having a home that is all preaching and no pleasure—all duty and no fun—is a dull old treadmill which will drive the children away sooner or later.

SHERMAN & HYDE,

WHOLESALE AND RETAIL

MUSIC DEALERS,

CORNER KEARNY AND SUTTER STS.,

San Francisco.

WEBER PIANOS

.... ARE ....

THE BEST.

What the Great Musicians and Singers say of them.

NEILLSON. I shall take every opportunity to recommend and praise your Instruments.

KELLOGG. For the last six years your Pianos have been my choice for the Concert Room, and my own house.

PATTI. I have used the Pianos of every celebrated maker but give yours the preference over all.

STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

WEHLI. Madame Parepa called your Pianos the finest in the United States. I "fully endorse," that opinion. They have no "rival anywhere."

MILLS. Amongst the many excellent Pianos made in the city, the Weber ranks foremost.

LUCCA. Your Uprights are extraordinary instruments and deserve great success.

MURSKA. Your Instruments surpass my expectations and I rank you justly as the Foremost Manufacturers of the day.

GODDARD. Your Instruments have no "superior" anywhere. I certainly have not seen any Pianos in America which approach them even.

The Cottage Gem Piano,

Is 7 Octave. Serpentine Mouldings. Carved Legs, and is the BEST PIANO in the market for the price.

$350.00.

The Standard Organ

Has a Beautiful Case, full, rich tone, and for durability

Excels all Others!

.... FOR ....

Sheet Music, Music Books,

OR ANY ARTICLE IN THE

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Santa Clara College, S. J.

SANTA CLARA, CAL.

THE TWENTY-SEVENTH ANNUAL SESSION OF THIS Institution will be resumed Thursday, January 3d.

This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It occupying six large buildings with extensive shady playgrounds, covered gymnasiums, swimming pond, etc.

It possesses a most complete philosophical apparatus, and valuable collections of mineralogy and geology. It has also practical schools of Assaying, Surveying, Telegraphy, Photography, and Commercial business. For the latter a new building 156x40 has just been finished that leaves nothing to be desired.

Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course.

TERMS—(Payable semi-annually in advance) Matriculation fee, to be paid but once ... . $ 15.00
Board, Lodging, Tuition in all branches, Washing and Mending of Linen, School Stationary, Medical attendance and Medicine Baths, etc., per session of ten months... ..... $350.00

For further particulars apply to the President of Santa Clara College, or to St. Ignatius College, 841 Market Street, San Francisco

34-1 REV. A. BRUNENGO, S. J., President

THE HISTORY

—OF—

THE DONNER PARTY.

A TRAGEDY OF THE SIERRAS

By C. F. McGlashan.

AGENTS WANTED.

Send $2.00 for Sample Copy to

CROWLEY & MCGLASHAN,

49:12 Publishers, Truckee, Cal.

Strawberry Plants for Sale

TWENTY VARIETIES.

The Rarest and Best.

PRODUCING BERRIES THIS SEASON from the size of a Walnut to that of a Hen's egg.

The varieties offered are new and choice and immediately productive.

Directions for their culture given to all purchasers. For sale at

Farmer Office.

S. M. PETTENGILL & Co., 37 Park Row New York, 10 State Street, Boston, and 701 Chestnut Street, Philadelphia, are our Agents for SUBSCRIPTIONS to THE CALIFORNIA FARMER in the above cities, and also our AUTHORIZED AGENTS to contract for ADVERTISING at our lowest rates.

WARREN & CO.

Miscellany.

Gatherings along the way side.
Floating gems by every tide.

MAN AS A BONNET BUYER.

IT MAKES A GREAT DIFFERENCE WHO THE BONNET IS FOR.

"New bonnet, new bonnet—$12 for a new bonnet!" exclaimed Mr. Slick the other evening, as his wife suggested a change from the winter styles.

"Yes, only $12," she humbly replied.

"$12 for a bonnet is a confounded outrage, and I know it!" he went on. Why, I can buy two fine silk hats for that money, and have some strawberry change left! It's a dead swindle to ask $12 for a bonnet."

"Well, I can't do better, Mr. Slick. That's the price, and I must pay or go without."

"You don't know how to buy—that's what ails you" he growled. "I'll bet money I can buy a $12 bonnet for $8. It's all in knowing how to handle the salesman."

"I wish you'd try it," she suggested.

"I will, by George! I will! I'll bring you up a new bonnet in the morning, and I'll get it $4 cheaper than you dare to!"

Mr. Slick was as good as his word. He went into a millinery store next forenoon with his eye teeth all sharpened, and with the idea in his mind that every bonnet in the store was priced at exactly $12. He looked around a little, selecting a bonnet that pleased him and pointing his cane at it and calling up his deepest voice, he inquired:

"Are you asking $12 for that bonnet?"

The woman flushed, looked from the bonnet to the man, and was trying to reply, when he said:

"These are not the times for outrageous prices, and all buyers realize it. I'll give you $8 for that bonnet, and not a cent more."

"That—that bonnet—"

"$8, and no more!" he interrupted; and she put the article in a box and took the money.

"What'd I tell my wife, eh?" he whispered, as he went out. "I tell you it takes a man to buy goods, no matter whether its fence posts or paper cambric!"

When he sat down at home and took the cover off the box and held up the bonnet, Mrs. Slick inquired:

"How much did she charge you?"

"$8, madam; while you would have paid $12!"

"Richard!" she said, as she tried to laugh all over at once, "I was with the lady next door when she ordered that bonnet for her cook, and the price was to be $4. You see, it—"

He held up his finger, counted three fives out of his wallet, and left them on a chair for her.—*Detroit Free Press.*

A WEATHER PROPHET.

A pleasant anecdote is told of Partridge, the celebrated almanac-maker. In traveling on horseback into the country he stopped for his dinner at noon, and afterwards called for his horse that he might reach the next town, where he intended to sleep.

"If you would take my advice, sir," said the worthy hostler, as he was about to mount his horse, "you will stay where you are for the night, as you will surely be overtaken by a pelting rain."

"Nonsense, nonsense," said the almanac-maker, "here is a sixpence for you, my honest fellow, and good afternoon to you."

He proceeded on his journey, and sure enough he was well drenched in a heavy shower. Partridge was struck with the man's prediction, and being always intent on the interest of his almanac, he rode back on the instant, and was received by the hostler with a broad grin.

"Well, sir, you see I was right, after all."

"Yes, my lad, you have been so, and here is a crown for you; but I give it to you on condition that you tell me how you knew of this rain."

"To be sure, sir, replied the man; "why, the truth is, we have an almanac in our house called 'Partridge's Almanac,' and the fellow is such a notorious liar, that whenever he promises us a fine day we always know that it will be the direct contrary. Now, your honor, this day, the 21st of June, is put down in our almanac in-doors as 'settled fine weather, no rain.' I looked at that before I brought your honor's horse out, and so was enabled to put you on your guard."

CITY CULTURE AND THE DAIRYMAID.—A young lady from the city, boarding for the summer at a farmhouse on the borders of the Delaware County, visited the dairy attached, and watched the country maid in her toil with marked attention. "Your work is a laborious one?" she remarked to the maid. "Somewhat, ma'am," was the reply of the maid. "Nature is indeed wonderful in her workings," continued the lady. "Observe the green grass in the fields, and in a short time it is converted into milk, and from milk to butter. After the formation of butter I have been told that the milk is termed buttermilk." "Yes, ma'am." "Is there sufficient nutriment in it to be of any practical use? "Yes, ma'am." "If I am not exhausting your patience, may I ask you what use is made of buttermilk." "We feed some of it to the hogs, and what's left over we feed to the boarders."—*Camden (N. J.) Post.*

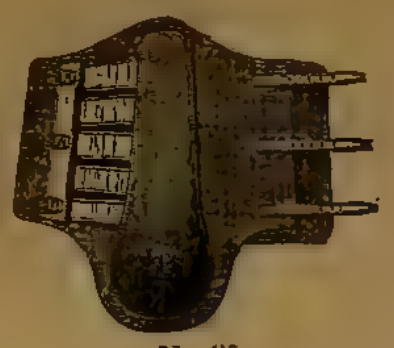
While a man was singing the other day, "There's a Good Time Coming," another man came and said, "Would you kindly fix the exact date?"

"The pole-cat," says Josh Billings, "is so called because a fellow needs a pole three hundred feet long to kill one, and if the wind favors the cat a longer pole would be more desirable."

MAIN & WINCHESTER

Nos. 214 and 216 Battery Street,

San Francisco.



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ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47:20

SAN FRANCISCO CORDAGE CO.

ESTABLISHED 1856.

Have constantly on hand a full supply of all kinds of Manila and Sisal Rope—manufactured from the pure Fibres—and by the latest improved machinery. All our Manila Rope GUARANTEED.

HAY ROPE.

The special advantages of Rope for baling purposes, are the uses to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for Halters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when baled with Rope.

FOR SALE BY ALL DEALERS.

TUBBS & CO.,
611 AND 613 FRONT STREET,
SAN FRANCISCO. 49:7

A GOOD PLAN.

Anybody can learn to make money rapidly operating in Stocks, by the "Two Unerring Rules for Success," in Messrs. Lawrence & Co.'s new circular. The combination method, which this firm have made so successful, enables people with large or small means to reap all the benefits of largest capital and best skill. Thousands of orders, in various sums, are pooled into one vast amount and *co-operated as a mighty whole*, thus securing to each shareholder all the advantages of the largest operator. Immense profits are divided monthly. Any amount from $5 to $5,000, or more, can be used successfully. *N. Y. Baptist Weekly*, September 26, 1878, says, "By the combination system $15 would make $75, or 5 per cent.; $50 pays $350, or 7 per cent.; $100 makes $1,000, or 10 per cent. on the stock, during the month, according to the market." *Frank Leslie's Illustrated Newspaper*, June 29 "The combination method of operating stocks is the most successful ever adopted." *New York Independent*, Sept. 12 "The combination system is founded upon correct business principles, and no person need be without an income while it is kept working by Messrs. Lawrence & Co." *Brooklyn Journal*, April 29 "Our editor made a net profit of $101.25 from $20 in one of Messrs. Lawrence & Co.'s combinations." New circular (mailed free) explains everything. Stocks and bonds wanted. Government bonds supplied. Lawrence & Co., Bankers, 57 Exchange Place, N. Y. 49:10

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LIQUID PAINTS, ROOFING, BOILER COVERINGS,
Steam Packing, Sheathings, Fire Proof Coatings, Cements.
SEND FOR SAMPLES, ILLUSTRATED PAMPHLET AND PRICE LIST.
H.W. JOHNS M'F'G Co., 87 MAIDEN LANE, N.Y.
PACIFIC COAST BRANCH,
FRED M. PATRICK, Manager,
5 First Street, San Francisco.

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WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer.

A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to all—handsomely got up and finely bound. Price, $2.50, worth ten times the cost. 45.21

$1 A BOTTLE
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CLARKE'S EUCALYPTUS OIL,
Sure Cure for Rheumatism.
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IS MANUFACTURED BY

FISH BROS. & CO.,

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WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

USING NOTHING BUT

First-Class Improved Machinery and the Very Best of Selected Timber,

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We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ———, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

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Knowing we can suit you, we solicit patronage from every section of the United States. Send for Prices and Terms, and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.
—OR—
GEO. A. DAVIS,
Manfacturers' Agent for Pacific Coast,
327 MARKET STREET,
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48:17

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS

To all Parts of the United States.

J. F. FARNWORTH. - - - - - - - - - - M. T. BREWER.

NOW IS YOUR TIME TO ADVERTISE.

ADVERTISERS ABROAD AND AT HOME.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best Houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

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The charge for advertising in the FARMER is as follows.—All line advertisements will be One Dollars for Five Lines, or less, Nonpareil, *first insertion*; larger space, *Fifteen Cents per Line*, each subsequent insertion, *Ten Cents per Line*. This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community.

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $20.00

For one-eighth of a column, three months . $15.00 | For one-half of a column, three months... .. 60 00
For one-quarter of a column, three months ... . 20.00 | For an entire column, three months 100.00

For a single month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable: the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the abor rates

WARREN & CO., Proprietors,
320 CLAY STREET, SAN FRANCISCO.

COMMISSION
SALES-ROOM,
—AND—
Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and every article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

BOOKS---SEEDS---TREES

All rare and choice things can always be purchased as above.

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE,

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 5 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED.

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine Patent Bee Hives of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,
320 Clay Street,
SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Linament for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Linament is needed, as it has been proved to be the best Linament known.

FOR SALE,
Wholesale and Retail,
WARREN & CO.,
320 Clay Street,
AGENTS FOR DAVID CLARKE'S REMEDIALS.

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill*" this we cannot do without Cash, or a special understanding before hand.

WARREN & CO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, June 17, 1879.

Money and Exchange Tables.

Exc. on England, new style, long and short..	4 80½ a 4 88½
Gold, at par	— 1 00
Silver, at par, in sums of	— 20 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	8s10d a 9s 6d.
Value of Club Wheat in Liverpool	9s 0d.a 9s10d.
Value of Wheat in New York, bushel	1 10 — 1 20
Brewers Barley in New York, bushel	80 — 90
Wool in New York	20 — 30

MONEY AND EXCHANGE TABLES.

The *Money Market* is to some an enigma, for while money was never more abundant and millions seeking investment among business men generally, it is much needed for the regular business carried on.

Large amounts are being daily placed in U. S. securities at 4 per cent, yet banking rates are 9 to 12 per cent, this cripples business and checks all the enterprises of the day.

Real estate finds little or no sale, no new buildings of any note, no new manufactures starting, and general trade dull and at a stand still, and this is attributable to the action of politicians, who are keeping the community in a continual state of excitement—while hope holds out, small promise yet.

England France and Germany hold full coffers, and the United States Treasury holds as much as them all, as the U. S. Treasury has now approximating $300,000,000 under control, and this is the cause of the apathy of trade in many portions of our country.

France, Germany and England has an immense amount of treasure in their vaults, and estimated as under their control at one thousand million of dollars.

This drain of gold from the people to the vaults of "Uncle Sam" of course checks trade and business, and until a new move is made, and a circulation of this vast hoarded amount begins, business must be stagnant, and we cannot expect it otherwise.

The rates of money in all Europe are low, low in New York, here rates have advanced.

It is remarkable indeed the steady rise of United States 4 per cent bonds, soon they will reach 5 per cent premium.

GRAIN AND FLOUR MARKET.

The *Grain market* has been quiet as a whole, but there are eddies and whirls in the trade now, for the peculiar telegrams from Europe has some influence upon nervous speculators, and our markets will be more or less affected by these lightning missives—a careful scrutiny however by men of cool judgment, will see that the news from Europe, and "Keene's movement" in Chicago, may be, but the two ends of the cable and as the old saying is "Money makes the mare go," so heavy purses will affect all markets for the special good of such movements, and our advice would be to our grain growers to calmly look at these things and sell their grain direct, and run no risk in shipping it, thinking to do better—there is very great risk now under the LAW, for the moment a shipper consigns his grain to other hands, and receives bill lading for it, he loses all control over it, farmers sent for the new Constitution, and the new laws affect their safety materially.

The *Flour Market* is not active, although our flour now goes all over the world.

The *Wheat market* has not advanced as much as was supposed by the cable news it would, large sales are made in Chicago, but it is all speculative—strong moves made for an upward tendency.

The *Barley market* is very dull and sluggish, even with liberal shipments to Australia and elsewhere—barley sells low and a heavy crop comes to market this year, but the prospect is a higher rate.

Oats have advanced a little, with small supply.

The *market for Corn* is very small, and so with other small grains.

The list of *Feed stuff* are low in price and less in demand as will be seen by our figures all through, for *Hay, Bran, Middlings, Ground Barley, Oil Cake Meal,* and *Corn Meal.*

The *Hop market* is still a dull one, with no demand and prices very low, if we could add one letter to that article and instead of saying Hop, say Hope to see a better market soon, we would like it better.

The *Honey market* is not good, short crop, and an advance in prices, and a increased harvest of nearly one-half from last year.

The *Potato Market* is fully supplied, and prices rule low, very low—*Onions* are not so plenty and price a little higher.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 40 — 1 50
do Choice do.	1 60 — 1 62
do Milling do.	1 70 — 1 75
Barley, per 100 lbs., feed	60 — 70
Barley, for brewing, (Chevalier)	1 40 — 1 50
Rye	70 — 80
Oats, California, per 100 lbs.	1 30 —1 62½
Corn, do do.	70 — 75
Flour, Superfine, per bbl	4 00 — 4 25
do. Extra	4 25 — 4 50
Extra Flour for shipping	5 00 — 5 25
Very Extra Family Flour	5 25 — 5 75
Oregon Superfine	4 00 — 4 25
do. Extra for Shipping	4 75 — 5 25
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 20 — 1 40
Bran per ton	13 50 —14 00
Middlings per ton	17 50 —18 00
Ground Barley	18 00 —19 00
Oil Cake Meal, for feed, per ton	—32 00
Beans, per 100 lbs, various	1 75 — 2 50
Beans, Lima	6 50 — 7 00
Potatoes, common	30 — 40
Potatoes, choice	50 — 60
Early Rose	75 — 1 00
Sweet Potatoes	—
Onions, new	50 — 75
Hay per ton, ordinary	6 50 — 9 00
Hay per ton, extra	10 00 —11 00
Wheat Hay	11 00 —14 50
Alfalfa Hay	—
Straw per ton	4 00 — 5 00

Retail Prices in the Fruit Market.

The *Fruit market* at the present time makes a good showing of Peaches, which now comes in very abundantly, and are selling at retail at 50 cents the basket and less—common Apples and Pears are selling very low—Plums are coming in more freely and at a reasonable rate—Apricots are plenty—Figs are very low, selling as low as 30 cents per box—Blackberries are very plenty and cheap—Raspberries are cheap—Strawberries are not as plenty, the large kind rating at 60 to 60 cents per drawer—Currants not so free—Crab Apples are market—Oranges, Lemons, Pines, Bananas, and Nuts, a good supply—our fruit market is amply supplied.

Apples, per box	25 — 75
do. do. lb	5 — 6
Pears, per box	75 — 1 00
" per lb	6 — 8
Figs, dried, per lb	12 — 16
Fresh Figs, per lb	8 — 10
Tahiti Oranges, per doz	20 — 30
Lemons, imported, do.	30 — 50
Limes, do do.	30 — 50
Pine Apples, each	50 — 1 00
Bananas, per bunch	2 50 — 4 00
California Oranges, per dozen	10 — 40
" Lemons, "	30 — 50
" Limes, "	15 — 25
Cherries	10 — 20
Strawberries	5 — 10
Raspberries	5 — 10
Currants	5 — 10
Gooseberries	10 — 12
Persimmon	20 — 25
California Walnuts, per pound	8 — 12
Almonds, hard shell, per pound	12 — 16
do. soft shell, do.	16 — 18
Foreign Pecan Nuts	12 — 16
Madeira Nuts	12 — 15
Foreign Brazil Nuts	15 — 20
Filberts	12 — 15
Chil Walnuts	7 — 10
Pea Nuts	8 — 10

Retail Price in the Vegetable Market.

The *Vegetable Display* is most abundant and excellent, every species of vegetables that is known to culture can be found in our markets of the best quality and at very low price, lovers of a good vegetable dinner can now be satisfied.

Asparagus	6 — 5
Artichokes, (French) per doz	15 — 20
Tomatoes, per lb	5 — 5
Beets, per doz	— 25
Broccoli, each	5 — 10
Cauliflower	5 — 10
Cabbage, do.	5 — 10
Carrots, per doz.	— 25
Celery do.	75 — 1 00
Celery Root per dozen	— 75
Cress, per dozen bunches	12 —
Cranberries, per gallon	— 80
Dried Herbs, per doz.	— 40
Green Peas, per lb	4 — 5
Lettuce per doz. bunches	12 — 12
Onions per lb	5 — 6
Horseradish, per lb	12 — 15
Okra, green, per lb	10 — 12
Okra, dried, per lb.	— 50
Choice Potatoes	1½ — 2
New Potatoes	—
Potatoes choice, per 100 lbs	1 00 — 1 50
Kidney Potatoes, per lb	1 — 3
Pumpkins	1½ —
Parsnips, per doz. bunches	— 20
Salsify, do. do.	— 20
Parsley, do. do.	15 — 20
Pickles, per gallon—	40 — 60
Radishes per doz. bunches	6 — 8
Rhubarb, per lb	2 — 3
Squash, Marrowfat	2 — 3
do. Hubbard	2 — 3
Lima, Dry	5 — 10
String Beans, per lb	6 — 5
Asparagus per lb	— 8
Salsify, per bunch	4 — 5
Turnips, per doz	— 20
Garlic	8 — 10
Eschalots	15 — 20
Mushrooms	5 — 10

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea. Our salmon beat the world for this choice fish—some extra fish are now in market.

Salmon have been selling in our markets as low as 25 to 50cts. for a whole salmon, and in Oregon they use salmon to manure their orchards—our markets are steady.

Salmon ₩ lb	4 — 5
do smoked new	6 — 8
do pickled, ₩ lb	6 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Halibut	20 — 25
Smelts, per lb	— 10
Perch do.	— 10
Rockfish do.	— 10
Codfish, dry, per lb	— 10
Herring, fresh, per lb	— 5
do smoked, ₩ doz	— 25
Tomcod, per lb	— 12
Sardines, fresh, per lb	— 10
Solefish, per lb	15 — 20
Mackerel pickled, each	— 25
Shrimps, per lb	8 — 10
Flounders do.	12 — 15
Sea Bass do.	20 — 25
Halibut do.	40 — 50
Sturgeon do.	2 — 4
Turbot do.	30 — 40
Terrapin, ₩ doz	2 50 — 3 00
Pompano do.	— 2 50
King Fish do.	— 25
Anchovies do.	12 — 15
Frogs, per doz.	2 00 — 2 50

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market. Oysters are showing nice and fat and the public appetite now craves this delicious bivalve. Every day a grand show in our market—if you desire the choicest of these luxuries, go to Geo. Mayes in California Market—no change for weeks.

Oysters ₩ 100 choice	60 — 75
Chesapeake oysters per dozen	50 — 75
Crow Fish, per lb	12 — 16
Clams per 100	— 50
Mussels do	— 25
Crabs, boiled, each	— 25
do. soft, per doz	— 50

Retail Meat Market.

The *Retail Meat market* furnishes all the choicest kinds at unusually low figures for this season of the year, and thus is an unusual full market.

Porter House	15 — 15
Porter House, extra	18 — 20
Beef, tenderloin, per lb	15 — 15
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	8 — 10
do cullet	12 — 15
Mutton chops, per lb., extra	10 — 12
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	10 — 12
Beef tongues, each	— 75
Pigs tongues, each	— 15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	13 — 15
Choice hams, Duffield	15 — 18
Whitaker, St. Louis, Mo	15 — 18

Poultry and Game Market.

The *Poultry market* is about even in demand and supply, about equal prices without material change.

RETAIL PRICES.

Ducks tame each	75 — 90
Geese tame, per pair	2 00 — 2 50
Broilers	40 — 50
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	22 — 25
Pigeons, domestic, per doz	4 00 — 6 50
Hares each	25 — 38
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Venison	10 — 15

Poultry and Game—Wholesale.

Broilers, per doz	3 00 — 5 00
Large Chickens, per doz	6 00 — 7 00
Hens per doz	6 00 — 7 50
Turkeys, dressed, per lb	10 — 13
Ducks, tame, per doz	5 50 — 7 00
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Rabbits, tame, per doz.	1 50 — 1 75
Squirrels, per doz	75 — 1 00
Venison	6 — 8

Retail Dairy Market.

The *Dairy market* is very liberally supplied and fresh roll butter very cheap. Eggs a little firmer but low. Cheese comes in freely but the trade is not large, market generally very dull.

Butter, California, Extra Choice per lb	25 — 30
do. do. for (Cooking) do.	20 — 22
do. do. packed best roll	22 — 25
do. do. Eastern	20 — 23
California Eggs, per doz	21 — 25
Oregon	— 20
Duck Eggs, do	— 25
Farralone Eggs, per doz	— 25
Cheese per lb	15 — 20
do. Sage, per lb	25 — 30
Eastern Cheese, do.	25 — 30
Lard, California, per lb	16 — 18
Lard, Eastern, do.	— 18
Honey, Comb	8 — 10
do strained	5 — 8
Vermont Maple Sugar, per lb	— 20

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb (Fresh)	21 — 23
do. Packed Roll, do.	18 — 20
Eastern Butter	16 — 18
Cheese, California, per lb	10 — 13
California Eggs, per doz	20 — 21
Eastern Eggs, per doz	18 — 19
Duck Eggs, "	18 — 20
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	15 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging market* is in an unusual condition for trade, for when it was expected bags would go up, they go the other way—the depression and lessend sales must entail a loss upon some parties, and with expected arrivals between two and three million bags soon the market will be easier.

Grain bags are now a cash article when sold, and our grain growers that have the ready cash can make a saving—gunny bags more plent, price steady—wool bags full supply.

Messrs. Neville & Co., the extensive bag manufacturers 33 California street, can supply our farmers at the lowest rates and on best terms.

Hand Sewed Bags, Standard, 22x36 com. prices	8½ — 9 cts.
Second Hand, Extra	8 — 8½ do
Machine Sewed, 22x36	8½ — 8¾ do
do. do 20x30	— 8½ do
Barley Bags, 22 x 40	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— 8½ do
Wool-sacks, new	45 — 50 do
do. second hand	30 — 40 do
Potatoe Gunnies, Double Sewed	13 — 13½ do
do. do. Second Hand	10 — 10½ do
Flour Bags, quarters	4½ — 5 do
do. halfs, six qualities	7 — 9 do

Staple Home Products.

The *Home Products* of our State are telling upon our markets by a lessened importation, and we must keep our markets well supplied with the best raisins, figs, dried fruits, nuts, oranges, lemons, etc., we must grow and make the best, and supply all demands from abroad—the world is looking to us for a supply.

Flax Seed, per lb	2½ — 3
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	3 — 3½
Castor Oil No 1 Diamond in cases, per gallon	— 1 50
" " " barrels "	— 1 50
Castor Oil, No. 2 Diamond in cases per gallon	— 1 30
" " " barrels "	— 65
Linseed Oil, Boiled	— 80
do. Raw	— 78
Cocoa Oil	— 55
Hops, California	8 — 8
Alfalfa	10 — 12½
Mustard Seed	2 — 3½
English do.	4 — 5
Canary Seed	2½ — 3½
Coriander Seed	8 — 10
Broom Corn	3 — 6
Bees Wax	22 — 24

California Leather Market Report.

The *market* for *Hide, Leather* and *Tallow* can be said to be better generally, some export to give life to the trade.

California Sole Leather	20 — 26
do. Harness do.	28 — 30
do. Skirtings,	30 — 37½
Bridle Leather	44 — 52
Rough do. Oak Tanned	18 — 22
Waxed Calf Skins	50 — 1 00
do. Kips do. per dozen	30 00 —55 00
do. Leather per foot	12 — 16

Wool, Tallow, Hides, Etc.

The *Wool market* had some large operations and shipments of some 5,000,000 pounds over the railroad during June, the receipt of over 20,000,000 pounds since the opening of the season, and with advanced prices and a good market for all good wools, good wools pay, poor wools are bad stock.

Wool, Spring Clip	18 — 20
do. Choice Extra	28 — 30
Fall Clip	16 — 18
Oregon Wool, per lb	25 — 30
Medium, bright	16 — 20
do. Burry	12 — 15
Goats' Wool (mohair)	30 — 75
Dry Hides, per lb	10 — 18
Green Salted, per lb	7 — 10
Deer Skins	50 — 1 00
Sheep Skins, wool on	25 — 75
do. do. plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	5½ — 6
Tallow, refined	7½ — 9

Average Slaughtering Prices.

The *Wholesale Meat Market* is abundantly supplied—but at low prices—the abundance of feed gives good meats, and at cheap rates.

Beef, American, 1st. quality	6 — 7 cts
do. do. 2d. do.	4 — 5 do.
do. do 3d. do.	3½ — 4 do.
Veal	4 — 7 do
Mutton	4 — 4½ do
Lamb	4 — 6 do
Pork, Undressed	3½ — 4½ do.
do. Dressed	5 — 6 do.

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED ACCOMMODATIONS for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU August 4th, and every fourth week thereafter.

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports; also, HAVANA and all WEST INDIES ports on 5th and 19th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

47 6

Central Pacific Railroad.

Notice to Shippers.

Please take notice that this Company will maintain, for transaction of business in Oakland, TWO STATIONS, viz:

MARKET STREET AND SIXTEENTH STREET

and to avoid delays we would request shippers to state on receipt, name of station to which freight should be delivered; as in the absence of same all consignments will be taken to Market Street.

J. A. ANTHONY,
Agent.

SAN FRANCISCO, Jan. 13, 1879.

AUZERAIS HOUSE,

SANTA CLARA STREET,

SAN JOSE.

S. W. CHURCHILL, Proprietor.

Auzerais House Coach and Carriages always in Attendance on arrival of trains.

☞SEND THE FARMER ABROAD.☜

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, to send to such friends a California newspaper!

We now wish to call their special attention to the good they can do by sending to them such a JOURNAL as the CALIFORNIA FARMER. We know our JOURNAL is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the HOME CIRCLE everywhere, as a JOURNAL free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, SPECIAL PREMIUMS OF SEEDS are donated with the paper, to benefit our State.

25 STYLES OF CARDS, with name in gold, 10 cts. J. B HUNTED, Nassau, N. Y. 47 14 1y

C. P. R. R

COMMENCING

SUNDAY, JUNE 6th, 1875.

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma. (Arrive 5:55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 5:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 5:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 9:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Cahente and Los Angeles. Also at Niles with Train arriving at San Jose 6:55 P. M. (Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily. (Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND.

"Daily" 7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M., 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00 6:30, 7:00, 8:10, 9:20 and 10:20 P. M.

"Daily, except Sundays"—6:10 A. M. and 11:45 P. M.

"Sundays only"—10:30 and 11:30 A. M.; 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4:00 5:00 6:00 and 10:30 P. M.

"Sundays only"—11:00 A. M., and 1:30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M., 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN

"Daily"—7:30, 8:30 and 9:30 A. M.; 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—6:30, 11:00 A. M. and 11:45

"Sundays only"—10:30, 11:30 A. M. and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 and 10:10 P. M.

"Daily, except Sundays"—5:10 and 6:50.

"Sundays only"—11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:03 and 9:00 A. M.; 3:00, 3:58, 5:00, 6:06 and 7:00 P. M.

"Daily, except Sundays"—5:00, 5:40, 11:30, A. M., and 1:20 P. M.

"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—6:55, 8:00 and 11:05 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M.; 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:30, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays"—5:20 A. M. and 1:50 P. M.

"Sundays only"—10:20 and 11:20 A. M.; 12:20, 1:20 and 1:35 P. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

SUMMER ARRANGEMENT.

Commencing Monday, April 21, 1879,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows:

8.20 A. M., *Daily* for San Jose and Way Stations. ☞Stages for Pescadero (via San Mateo) connect with this train only.

9.30 A. M. *Sundays only* for San Jose and Way Stations. Returning, leaves San Jose at 6 P. M.

10.40 A. M. *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Salinas, Soledad, and all Way Stations. ☞AT PAJARO the SANTA CRUZ, R. R. connects with this train for Aptos and Santa Cruz. At Salinas the M. & S. V. R. R. connects with this train for Monterey. ☞Stage connections made with this train. (Pescadero Stages via San Mateo excepted.)

Parlor Car Attached to this Train.

(SEATS AT REDUCED RATES.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, Pajaro, Hollister, Tres Pinos and principal Way Stations. ☞On SATURDAYS only, commencing May 10th, the Santa Cruz R. R. will connect with this train at PAJARO for Aptos, Soquel and Santa Cruz. RETURNING, passengers leave Santa Cruz about 4:30 A. M. Mondays (breakfast at Gilroy), arriving at San Francisco at 10:00 A. M. ☞SPECIAL NOTICE—On SATURDAYS ONLY, commencing May 10th, the run of this train will be extended to SALINAS—connecting with the M. and S. V. R. R. at MONTEREY. Returning leaves Montery MONDAYS (breakfast at Gilroy), arriving at San Francisco at 10:00 A. M.

3.30 P. M. *Sundays only* for San Jose and Way Stations.

4.25 P. M. *Daily Sundays excepted* for San Jose and Way Stations.

5.00 P. M. *Daily Sundays excepted* for Menlo Park and Way Stations.

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1854. 1879.

THE CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FIFTH year with 1878, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD to the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on this Coast—this was at Sacramento in the year of 1852, and also the GRAND FAIR at San Francisco in 1853—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

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THE

California Farmer

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California Farmer.

1879.

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CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, AUGUST 7, 1879. NO. 15.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

No. 320 Clay St., (up Stairs) Below Battery,

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☞ Our full ADVERTISING RATES will be found on the SEVENTH PAGE.

All Letters on Editorial Matters to be addressed to COL. WARREN, EDITOR.

☞ All Letters on Business connected with the Office should be addressed to

WARREN & CO., Publishers.

Home Correspondence.

THE VALLEY OF BEAUTY.

YOSEMITE VALLEY, July 5, 1879.

COL. WARREN—*Dear Sir*:

The past month has been an eventful one in Yosemite. The great national Sabbath school convention has met here, performed its interesting duties, and gone again.

I should have been glad to have written you the full particulars of all the interesting proceedings, but was unable to do so. This Sabbath school convention has been an important one in the social and religious circles in Yosemite and California. Years ago, soon after the "last spike" was driven which helped to form a closer bond of union between the Atlantic and Pacific States, representatives of the commercial interests of the eastern and middle states visited California to establish more intimate business relations with those of the Pacific Slope, and now come the representatives of the Christian churches and Sabbath schools, to try and establish a more intimate bond of fellowship and interest in the great work in which they are engaged.

Twenty-three states have been represented here, by able and earnest workers, and most of the counties of this State have sent delegates, most of them coming with their own conveyances and camping out here in Yosemite.

The valley has been brilliantly illuminated by evening campfires, surrounded by groups of happy campers, merry with mirth and song, every hotel and place of entertainment has been full to overflowing, and every available sleeping place has been filled, even to stable lofts and sheds.

Never before has so many people been in Yosemite at one time, and with the varied exercises of religious meetings, scientific lectures, and excursions for sight seeing, all have been interested and made happy. A Sabbath school has been established here under the most favorable auspices, and we hope that all visitors here, who take an interest in the great work, will aid and encourage it with their presence and counsel.

The neat little gothic "Union Chapel," has been brought to an approximate state of completion and formally dedicated by appropriate and imposing religious services, and for the first time since God by his potent agencies carved out of the solid rocks, and sculptured these towering walls, and made this wonderful place as an emblem of His majesty and power, this valley and these rocks have heard the "sound of the church going bell," whose sonorous tones have mingled with the music of the waterfalls, and brought forth in response, new born echoes from the surrounding walls. This chapel is located between Black's and Leidig's Hotels, at the foot of the sentinels towering monolithic shaft, and fronting the "Three Brothers and eagle peak."

Here in this little consecrated house, this "Sanctum Sanctorum," of the greater surrounding Temple, all ministers of the Christian church, without regard to sect or creed, who may visit Yosemite are invited to preach or lecture in the great cause of salvation. Here in the future the devout of every creed may make an annual pilgrimage; lay aside their little differences of ceremonial forms, and join hand in hand in a closer bond of Christian brotherhood, and receive a new and higher inspiration, and with renewed love, and courage, go forth to save their fellow mortals from their sins.

Here penitent saints and sinners may enter and hide their weeping eyes from the stern majesty of God's surrounding presence, and in the sacred silence, humbly pour out their souls, for pardon in prayer.

And here, within the sublime surroundings of this grander outer temple, not made with hands,

> Whose walls are the Nevada mountains cleft asunder
> Whose cheering lights the sun and moon supply,
> Whose choir the winds and falls, whose organ, thunder,
> And whose dome the sky,

May come from all the world, the believers in the sacred truths taught in the Holy Bible, the Roman, the Vedas, and the Tend Avesta, and bow in unison in the worship of the eternal and universal Father, the Creator of all, who understands the language of the soul, and gives his blessings to all alike who obey his laws.

The Commissioners, appointed to manage the Yosemite Valley and Mariposa Big Tree Grove, held a meeting here last week, to counsel together as to the best means, to more fully carry out the intentions of Congress when it gave in trust to the State of California these magnificent grants, to be kept forever, as places of "public resort and recreation," that those visiting here for recreation may also find it a pleasant place of resort. This has ever been the sole object of the Commissioners in all that they have done in their line of duty, and if they have not fully succeeded up to their expectations, it is not wholly their fault.

There seems to be in human nature, a certain amount of inate latent *"cussedness"* which ever and anon will assert its power, and give trouble to the wisest rulers, and neither the people doing business in Yosemite, or the tourists visiting here seem to be an exception to this general rule. But much has been done to improve the facilities for tourists to visit all the various points of interest; to protect them from every imposition, and to make everything pleasant for them, much has been done to preserve all natural objects from destruction or desecration.

Two iron bridges across the merced river, were built here last year, which add much to the interest of the carriage drive around the Valley.

While here the Commissioners purchased the Mirror Lake carriage road, and it is now free from tolls, and as fast as they have means to do so, they will purchase all the different private horse trails, so that no one will be charged with tolls within the limits of the Yosemite grant. A fine carriage road of four and a half miles in length, has recently been completed within the limits of the Mariposa Big Tree grove, passing through two of the old giants in its route. This new carriage road opens up one of the finest mountain carriage drives in the world, as it winds around among six hundred of these giant sequoias, with a tunnel through two of them, so that a six horse stage can pass through with ease and safety.

A subguardian has been appointed to look particularly after the interests of the Big Tree grove, and protect it from desecration, either from vandal visitors, or trespassing stock herders.

The "Fourth" was ushered in by the explosion of giant powder cartridges, which are a good substitute for a canon, for making loud reports, and the rolling reverberations around the walls of the Valley are grand beyond description.

The day was followed up by carriage drives and social festivities, and closed with a grand display of fire-works, and a ball at the hotel of J. K. Barnard. The ball was the finest and best attended of any ever given in Yosemite, and Mr. Barnard deserves great credit for his skill and management, in getting up such an elegant and recherche entertainment for the interest of our citizens and visitors to Yosemite.

GALEN CLARKE.

Mayor of Washington, N. J.

The *New York World* gives the following account of a good work done by the famed PIANO MAKER recently at Washington, New Jersey, July 10.

This generous act must have touched a musical and harmonious chord in the hearts of all the children, as well as parents and friends of the Sunday School.

MAYOR BEATTY'S GENEROUS GIFT.

"A large gathering of children was held in the M. E. Church at Washington, New Jersey, on Children's Day. An address was delivered by Hon. Daniel F. Beatty, (of Beatty Piano and Organ fame,) the Mayor of the City, who presided at the meeting. The audience was also entertained with recitations and singing by the children. Beatty's Orchestra furnished excellent music. The gathering of the children was the largest ever known in Warren County. The pleasant announcement was made by the Pastor at the conclusion of the ceremonies that Mayor Beatty had presented the Sabbath School with a new library, valued at $360. This is only one of the many gifts the Mayor has contributed to the church and the poor within the last few months."

OUR CITY IN DANGER.

WHO SHALL BE MAYOR OF SAN FRANCISCO.

Some weeks ago we propounded the same question in this Journal, and we have been called upon by many of the true friends of our City and State who feel as anxious as we do upon this question, for all can see great danger ahead unless we have a Mayor who is well and widely known, a man of commanding influence, not as a mere partizan, but a citizen who has the full capacity to preside over a GREAT COMMERCIAL CITY, a man to who is known *abroad* as well as at *home*.

We want for MAYOR OF SAN FRANCISCO a citizen who is not bound hand and foot to a partizan clique, who work for his election to office that they may look for the *pap* that all partizans work for, but we want a man who can see in the future of San Francisco the mighty destiny she is to exert in the near coming years; what WHITELAW REID, Editor of the New York *Tribune* said in his speech at the breakfast tendered him, as he spoke of our City. "SAN FRANCISCO is destined," said Mr. Reid, "to be the EMPORIUM CITY OF AMERICA, to wield an influence greater than any other City, she will be the great Gold centre, the Grain centre, the Wool centre and the Wine centre of our Country," this is true, and shall our City fall into the hands of a partizan clique?

The present moment is full of danger to our City and all its great interests, already there are *many candidates* for the Mayoralty, and it is certain that unless our citizens shall come together and select a citizen who can rule our city with honor and credit, without fear or favor, a citizen of great moral and physical courage, and with capacity to know and recognize the interest at stake of this great commercial city, and a mind that can guard and control the dangerous elements that are now gathering strength in the masses of the lower orders, who battle for a partizan chief; if these elements are not controlled and crushed out, they will gain the mastery, and with men unable and unfit to control our City it will not be long before a REVOLUTION will put matters right, we are no alarmist, we see and know the dangers that are near, and feel it is high time our best citizens, those who have most at stake, should call a meeting, and this without distinction of party, place a candidate at the head of our City, that would be sure to save us from the REVOLUTION that is destined to come unless this is done.

Weeks since we named a citizen that we felt confident was the most fitting person to act for our City in her present trying hour, and that man was,

WM. T. COLEMAN.

And now that some candidates have withdrawn it opens up the way for the success of such a man as we have named.

Now let our citizens one and all rally for the safety of our City, and elect the very man that will command more votes than any other man that could be named; a citizen who by his eminent fitness for such a place would win the votes of *all parties* and fill the office with honor and credit to the whole Coast.

AUSTRALIA AND CALIFORNIA.

The rapidly increasing trade between the colonies of Australia and that entire region of country is now exciting a due attention among the merchants, manufacturers, and producers of California, Oregon, and the whole Pacific Coast, and it is high time all our people were alive to the great opening for trade that can be made with that country, if due attention shall be given to this trade.

Already the merchants and manufacturers of the Eastern States have secured trade there that has counted in millions of dollars, while we of the Pacific slope that are only half the distance from New York, have allowed trade that we might have secured to pass unto other hands.

There are, however, we are glad to say, some of our merchants that have given attention to this all important matter and have made good agencies there and have now a permanent and growing trade.

We are truly glad to know the house of WM. T. COLEMAN & Co. have recently sent a most excellent representative of their house in this city and their house in New York City, to look to the interest of their extensive trade in Australia and all that region.

GREGORY P. HARTE, Esq., is the gentleman who has so long and favorably been known in the house of Wm. T. Coleman & Co., who recently left for Australia on the steamer, and we feel assured our coast and its business will be most honorably represented at the fairs at Brisbane and Sydney, and our coast credited with a most able friend of all our interests.

UNANSWERED LETTERS.—We are constantly receiving letters of inquiry from numerous sources, asking us to furnish replies and statistics that would occupy pages, and these from strangers, on matters not of a public interest, but only their private business, and then not even a stamp for reply, of course our time will not allow us to comply: though kindly disposed—stamps for reply should always be sent.

FALKNER, BELL & CO'S WOOL AND LIVE STOCK CIRCULAR.

The first of this season's wool clip was marketed about the end of March, and receipts became liberal a few weeks later.

The opening of the market was a dull one, owing to Eastern advices predicting a low range of prices, which buyers confirmed on their arrival here, by their indifference about purchasing. Towards the early part of May, an active demand set in, resulting in an advance of 20 to 25 per cent on the prices at which wools could have been bought at the opening. This sudden change was occasioned by an unlooked for demand on the part of manufacturers in the East, which soon developed the fact that stocks in dealer's hands were light, and a general rush was made to secure wools for immediate wants.

Buying in the interior was again resorted to this year, and growers were, in many sections, deprived of the advance that took place, and in some instances, clips were contracted for before shorn.

A considerable amount of wool was packed and shipped at Red Bluff—a new feature for that section.

The clip this season has come forward in good condition. Humboldts and Mendocinos have never looked better; the continuous rains have given them the appearance of washed wools.

We have to report a quiet market at the close. Eastern buyers have left us, and local dealers are holding off for the present. Stocks in consequence are accumulating, and prices are irregular. The Eastern markets are in the same position, manufacturers having supplied their immediate wants, and receipts in Boston and New York are now on a liberal scale from the wool-growing sections. Holders must not lose sight of the fact that a small advance on present prices of domestic-fleeces in Boston will enable manufacturers to supply their wants from the English markets, and that, unless woolen goods appreciate in value materially manufacturers will buy sparingly, with a good and varied stock in view to select from.

This year's clip will be larger than last. From the Northern sections the wools have not been so heavy, on account of the continued rains.

MOHAIR.—The production is on the increase, and already a marked improvement is shown in the clips that have passed through our hands. A few more years of careful breeding will give results that will compare favorably with those from Asia. We have sorted and shipped to Boston 30,000 pounds.

Our friends write us as follows: "Until the article is used regularly and not spasmodically in this country, there will continue to be the present condition of uncertainty concerning it. That it will become a branch of our industry in time, we have but little doubt. During the interim, doubtless many growers will get impatient and then discouraged, while those who hold on and breed up carefully will yet be rewarded in seeing a legitimate demand spring up for their product.

LIVE STOCK.—Business, since our last issue, has been of fair volume, and although there are complaints of general depression in trade, we consider consumption has been on an average the past seasons.

In cattle, prices, which during the winter months ruled low, strengthened during the spring, with at times considerable activity, and for choice lots there has been good competition, both in city and country.

The dulness which prevailed in the wool trade in the early part of the season, caused owners of sheep to be ready sellers, and consequently rates for fat stock have been lower than at corresponding seasons of past years. The recent activity in the wool market has not, as yet, thoroughly restored confidence, and we hear of sales in the country at low figures, especially for stock sheep, of which there are many offering for sale.

As regards the future, it is difficult to predict. Cattle raising in California is now falling into fewer hands, and the number in the State being considerably reduced, we anticipate fairly remunerative returns to those who continue in the business. Should the rise in wool be maintained, we also look for an improvement in profits of sheep raising.

RECEIPTS AND EXPORTS.

Receipts from the Interior	18,247,000	pounds.
" " Oregon	3,188,000	"
From March 1 to June 30	21,435,000	"
Shipments by Rail, from San Francisco, to date	14,679,004	pounds.
Shipments by rail from Interior	2,369,695	"
" Gen. McClellan, to N. Y	1,086,646	"
" F. S. Thompson, "	33,227	"
" Pharos, "	1,077,612	"
" Seminole, "	2,033,393	"
" Rambler, "	586,161	"
" Young America, "	1,386,812	"
Total exports to June 30	23,253,050	"
Estimated stock on hand Jan. 1	1,500,000	pounds.
" " June 30, Cal'a.	1,815,000	"
" " " Oregon	1,167,000	"
Total stock June 30, 1879.	2,982,000	"

The difference between receipts and exports is accounted for by wools taken by local mills for scouring purposes.

WALTER BROWN & COMPANY'S WOOL CIRCULAR.

[FROM OUR SPECIAL CORRESPONDENT.]

NEW YORK, July 16, 1879.

COL. WARREN—*Dear Sir:*

The demand for wool since July 1st has fallen off considerably from the active trade for a few weeks previous.

Manufacturers bought liberal supplies during the early part of June, and now show a disposition to limit their purchases to the actual requirements of the machinery.

During this period, the receipts of fleece wools have been large, and a desire on the part of some holders to push sales, has caused a concession from previous rates.

It is the general opinion however that a healthy tone will pervade the woolen goods trade during the season and that a steady consumptive demand for wools will continue during the next few months without any material change in prices.

The rates of fine fleeces have hardly been of sufficient amount to establish their marketable value, but we think the quotations given below can be safely counted upon as a basis for Eastern shipments.

There has been more enquiry for medium grades, although sales have been smaller than last month, and prices are not quite so firm, especially on unwashed wools.

Combing and delaine grades have been in good request, and the probabilities are that present values will be maintained for some time to come.

We think that owners of wools, in the interior, who expect to realize during the next 60 days, would do well to consign their wools and have them placed on the market.

In sending out our circulars we have always written them with an impartial judgment and have endeavored to give a correct report both of the condition and prospects of the market.

COMBING.	
Washed medium	40@44
" coarse	36@40
Unwashed medium	32@34
" coarse	28@31
TUB WASHED.	
Choice	41@44
Fair	37@40
Inferior and burry	34@37
UNWASHED.	
Fine	33@35
Medium	23@31
Coarse and burry	23@25
WYOMING, UTAH, ETC.	
Superior fine rolled	25@25
Average " "	23@25
Coarse " "	10@20
CALIFORNIA.	
Northern spring	27@32
Southern spring	23@26
Low and burry	19@24
Northern fall	19@23
Southern fall	15@18
Low and burry	12@16

Consignments solicited—cash advances made—commissions including all expenses after receipt of wool, five per cent.

FLOUR AND GRAIN REPORT.

Report of Flour and Grain remaining in the State of California, on July 1, 1879, as taken by the

SAN FRANCISCO PRODUCE EXCHANGE.

W. H. WALKER, Secretary.

	Flour, Wheat, Bbls.	Wheat, Ctls.	Barley, Ctls.	Oats, Ctls.	Corn, Ctls.	Rye, Ctls.
San Francisco and Oakland Wharf, incl. Wheat afloat in harbor	16,351	174,248	228,520	21,846	43,844	10,176
Northern Coast, Russian River, and Petaluma	2,015	11,500	2,400	1,000	1,036	
Napa Valley R. R. Vallejo and California Pacific R. R	4,000	32,750	12,000			
Sacramento Valley and River	6,500	54,468	38,435			
Lower Sacramento, Stockton and Suisun Bay	1,000	3,200	4,875			
San Francisco Landings, east side	1,000	11,424	68,730			
W. P. R. R. from San Leandro to Livermore	2,000	130,166	70,000	500	4,000	
Stockton to San Joaquin	17,000	138,811	54,000	750		
N. P. R. R. (from Redwood to Hollister, including Alviso	5,450	130,000	1,000	600	1,000	
Salinas and Pajaro Valley				75		
Southern Coast				825	11,083	
Totals	37,766	800,515	84,454	145,002	62,957	10,176

We have by the above statement, which has been prepared with much care as reliable an account as any prepared, and this shows a grand total of grain of all kinds in centals, making 1,709,897 centals in total and equal to 85,495 tons on hand at that date—enough to load one hundred clipper ships.

With what has been sent abroad and what is to go forward yet, the year's shipment will reach 500,000 tons as we have said.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have GRAIN to sell and to keep.

ADVANCE, AUSTRALIA.

BY WM. MILLAR.

Advance, Australia, ever
Land of the freeborn brave—
Thy sons becoming never
The tyrant or the slave.
Sprung from a mighty stem,
Labor their diadem,
Who will their power contemn?
Advance, Australia ever

Advance, Australia, ever,
In peace thy glory spread;
No wars thy strength will sever,
No foeman o'er thee tread.
Nurs't 'neath bright Freedom's sun
Laurel'd with victories won,
Heroes from sire to son—
Advance, Australia, ever.

Advance, Australia, ever,
Onward thy banner bear,
Till mountain, plain and river,
Thy battle paeans hear.
Blest be thy glorious sway,
Happy thy children aye,
Long may they proudly pray,
Advance, Australia, ever,

Advance, Australia, ever,
God be thy shield and guide,
His bounty fail thee never,
His arm be on thy side.
Queen of the southern sea,
Great will thy future be;
Nations will bow to thee—
Advance, Australia, ever.

—*Wide Bay and Burnett News.*

HOW WE SAVED THE OLD FARM.

CHAPTER X.

When the haying was finished and the hoeing going on, the squire and Aunt Matilda drove over one afternoon, and the squire and Clarence spent some time walking over the farm. Before they went out mother expressed a hope that the squire would not urge Clarence into any more experiments until he was better able to carry them out; but she could obtain only a promise not to recommend anything which he did not think would pay well. He was much pleased with the result of his previous advice in regard to the field of corn-fodder, turnips, and cabbages, and said Clarence would make an hundred dollars on that field after paying for labor and manure. The hen house and the barn were carefully examined, as he had never seen the former; and, in fact, all the details of the farming were inspected.

When they returned, he expressed himself as more than satisfied with the work that had been done, and said that he had planned a few more improvements which would prove paying investments, and would not cost much besides the labor, not more than Clarence's pig and chicken money, now amounting to more than a hundred dollars, would pay. I think mother would have scarcely agreed to the spending of even that if it had not been for the recollection of the butter money at the store, which was also quite a sum, more than sufficient for the payment of interest and taxes. As it was she gave her consent, saying that Clarence had done well so far under the squire's advice, and she should let them do as they pleased, only she hoped they would be careful.

As a result, Clarence was soon engaged in drawing home boards from the sawmill, selecting such as he wanted for his work, most of them being left in field between the corn and potatoes. Then, as it was very dry weather, a deep furrow was ploughed through the lowest part of the grass-land, running several times along in the furrow to get as deep as possible. Then Jake and an Irishman, one Mike Murphy, came on and began to ditch along the line of the furrow, digging about three feet deep, and a little more than a foot wide, and going to hard-pan, as they call it, all of the way. This main ditch ran from the road down to the pond, and several short ditches branched from it into the wettest places in the meadow.

While they were digging, Clarence made V-shaped troughs, which he put into the bottom of the ditches, and covered with other boards. Not much pains was taken with making or laying the trough, excepting to see that they were put with the tight edge at the bottom, and that they were so put that it was down hill all the way from road to pond.

When all were laid, stones were put in them of such size as to leave a few inches of space in the troughs under the stones, which also stuck up above the troughs a little way. Upon these, covering-boards, a little wider than the top of the troughs, were laid to keep the dirt out of the troughs, while the water could easy find its way among the stones and along the troughs. Then the dirt was filled in again upon these boards, and the sods carefully replaced, but to make sure of grass, where the sods were broken, a few pounds of grass-seed were sown along the ditches.

Then Clarence and Mike went to drawing mud from the pond, which was usually low at that time, owing to the owner of the mill below repairing something, which made it necessary for them to let the water out of the pond for that purpose. Some fifty loads were put into the barn-yard, and ten into the hog-yard; and the rest, about five hundred more, being put in heaps in the pasture near where it was drawn out. It was a very large amount, but Clarence said it would keep growing better for use by being exposed to the weather for some years, and he did not know when the pond would be so low again to give him so good a chance. The eight-acre field, from which the rye had been taken, was also ploughed again, the rye, stubble, and weeds being turned under, and we were surprised to see two tons of phosphate arrive which was to be put on there. Clarence explained by saying that the squire had offered to find the phosphate, and take the rye-straw or the money in payment for it, just as Clarence might choose; which would give the rye for his labor and get the field into grass at the same time.

By this time the harvesting was nearly ready to commence upon. One evening Jake came in, and after the customary salutations he said,—

"I'm afraid, Master Clarence, I shan't be able to help you dig those potatoes, as I wanted to. I really wanted to see them turn out, but I have struck a new job that I calculate will last me two or three weeks."

We looked up in surprise at the idea of Jake sticking to one job so long as that, and Clarence asked, "What is it?"

"Well, I will tell you all about it, but I must begin at the beginning. You see Rover and I had been out hunting the other day, and when I was coming back I stopped at the tavern. When I went in I saw a woman and a little gal on the piazza, she sewing, and the little one at play. Well, when I came out I stopped a minute, and the little one came up to me and began to talk to me, and I was answering her questions, when the woman called her back. Perhaps she thought the child bothered me, but it didn't, for I like little gals till they begin to get their heads full of nonsense about beaus and sich things, or may be thought I was too rough-looking for the little gal to speak to; but I straightened up and took off my hat, and I says to her, 'Suffer little children to come unto me and forbid them not.' [You may think, reader of these pages, that this sounded irreverent, but if you could have seen and heard Jake as he uttered them, you would have known that he loved little children with a love that could have been surpassed only by the love of Him who first uttered those words, and that he spoke them without any thought of irreverence, but with deeper reverence than that of many who quote the words of that Great Book oftener than he did. Nor was there thought of comparison of himself and the Author of those words, other than the comparison of that love which was common to both.] And then I heard somebody laughing, and two or three men came out of the parlor just back of me, and one of them, which was the little gal's father, called her to him, and seein' the gun and the game-bag, begun to ask about the huntin' and fishing, and finally said that he and his brother and his wife's brother, who were with him, had come down on purpose to hunt and fish, and they wanted to hire me to show them around to the best places that I knew of, and they would give me a dollar apiece every day, and I might have all I got myself besides; and so I'm going with them, which is a pretty good job for old Jake."

"I am glad that you are so lucky," said Clarence, "and if I need help I can get Mike a few days again, I think."

"Well, then, half my errand is disposed of, and now for the rest of it. You see, ma'am, where we stopped for a lunch to-day the men were saying that they didn't like the tavern very well. It is kinder lonesome like for the woman when they are off in the woods, 'cause there ain't any women folks there, only Mrs. Gannett and the gals in the kitchen, and I guess if she went there and sot down while they were cooking she wouldn't have much relish for her dinner when it was ready. And, then, sometimes, there is a gang of rather rough men around there, and I allow she don't like that, and so they wanted to know if I couldn't find them a chance to stay at some farm-house two or three weeks; and I told them I didn't know, but I would see what I could do, and let them know to-morrow, for I thought of you, and I knew you had room enough, and that if any person could suit them around here you could; and they pay five dollars a day at the tavern for four of them and the two children (one of them a baby about two years old) and they said that they would be glad to pay the same or more if necessary at some private house."

And Jake wiped the perspiration from his brow in a way that showed plainly that he had dreaded proposing such a thing to my mother. It was then looked upon in Brookfield as something of a comedown for a farmer's wife to take boarders (unless it was the district school-teacher), a greater departure from a life of independence than letting her daughters go out to do housework in some nice family, which was quite a matter of course when there were more girls than were needed to assist their mother about household labors. Already Clarence began to object.

"Mother does not need to take any boarders, Jake; she has enough to do already, and I shall make enough to support us without her doing any more than she does now."

"Wait a moment, my son," said mother; "I would like to accomodate your acquaintances, Jacob, but I am afraid that I should not have things nice enough to suit them. We live in a plain style to what they are used to, I suppose."

"If style was what they wanted, ma'am, they might have stayed at home; what they want is just to have things clean and wholesome, which I know they always are here, and that the woman should have a quiet place to stay when they are out with me, and a body to speak a civil word to once in a while when she feels like it. And they are quiet, decent sort of folks; don't drink, though two of them smoke, and maybe the smell of their good cigars would put you out of the conceit of Jake's old pipe. But if you won't take them in, I reckon they won't stay long, and so I shall lose my job," and having put it on that ground of a personal favor to himself, he seemed to be willing to rest his case there, as if he thought that would have more influence than the promise of money. And perhaps it had, for we felt indebted to Jake for past kindness, and he knew that he had offered us this, because he thought it would prove a welcome addition to our income, as indeed it would be. Clarence was about to make further objections, but my mother silenced him with a motion of her hand, and said,—

"Well, Jacob, if you think they could be satisfied with our accomodations, I am willing to try what I can to suit them. I don't feel as if I ought to let such a chance to help a little pass by while the children are doing so much. I will try to get the rooms ready to-morrow, and you may tell them they can come when they are ready for that."

"Well, ma'am, you have done me a favor, and it's a favor to them, too, and I hope what they pay will pay for your work as well as for the victuals," and having got the errand off his mind, Jake chatted a while about the crops and the calves and chickens, and then took his departure.

In the morning we began in good season to prepare for our boarders, by getting the "best room" in order, swept and dusted, and with clean curtains, before going upstairs to work in the chambers; and it was well that we did, for we had scarcely begun when Jake came again and announced that the people were on the way.

"You see, there was a rather noisy time at the tavern last night, and this morning the lady got up and said she would not stay there another night, for she couldn't sleep nor the children neither, and if I hadn't got there about as early as I did, I don't know but they would have started for home afore this time; but when I said you had decided to take them, she said she was coming right down here, and if you would not take her now, she would wait under the apple tree until you was ready for them; and so I said I would come on ahead and let you know just how it was, and I guessed you would let them in if it did put you out a little. So they will be here in a few minutes, and when the woman and babies are inside I'll take the men off into the woods, and they shan't bother you before supper-time, I'll warrant, for I'll take them down to Black Brook to-day."

[TO BE CONTINUED.]

THE

NEW ZEALAND INSURANCE CO.

FIRE AND MARINE,

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Capital, $5,000,000.

With Unlimited Liability of Stockholders.

Capital	$5,000,000
Capital paid up	1,000,000
Assets	1,955,665
Re-Insurance Reserve	346,439
All Other Liabilities	159,075
Surplus for Policy holders	1 450,941
Premiums received to May 31, 1878	7,495,177
Losses Paid to Date	4,509,902
U. S. Bonds deposited in Oregon	50,000

UNDERWRITE, THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandise, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

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W. F. BROWN - - - - Manager.

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THE AUSTRALIAN GUM-TREES.

(EXTRACT FROM DAVID CLARKE'S WORKS.)

There is no tree known to science that presents so many valuable properties as the various species of the Australian Eucalypti. As many as one hundred and fifty varieties of this invaluable tree have been discovered. No timbers in the world can compare with those of Australia; for purposes requiring great strength, combined with great durability, they are unapproachable. Owing to an essential volatile oil that exudes from the foliage, epidemic rarely exists in Australia. The entire species are more or less medicinal. Yet after many experiments, I have found that some of the species, most useless as far as their timber is concerned, are of the greatest value as medicine plants.

In the bush the gum leaf has often to answer the purposes of the entire medicine chest.

During the past six years I have been experimenting on the various species of the Australian Gum—the roots, the bark, the gum, and the leaves—with great care.

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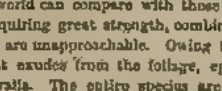
For Rheumatism, Neuralgia, Gout, Sciatica, or any affection of the Nervous System, it appears to be almost a specific, giving immediate and permanent relief. For resolving the attack of Fever and Ague, it is marvelous. It is equally valuable in all diseases of the Liver.

The BEST MEDICINE one can possibly take for Indigestion, Fever and Ague, Wind in the Stomach or Bowels, Sick Headache, Heartburn, Giddiness, Drowsiness, Languor, Spasms, Pains and Fulness at the pit of the Stomach or region of the Liver, Loss of Appetite, Diarrhœa, Dysentry, and the most certain cure for Piles is Clarke's Liver and Bilious Pills.

It is essentially necessary during an attack of any of these diseases that the bowels be freely evacuated by a dose of four to six of the "Liver and Bilious Pills" previous to taking the Fluid Extract, and a small dose of the Pills every night will greatly assist the action of the Fluid Extract. For Rheumatism, Sciatica, Gout, Neuralgia, or pains in any portion of the body or limbs, the part affected should be freely bathed with the "Concentrated Fluid Extract."

For Dysentry and Diarrhœa it supersedes all other medicines known. For ordinary cuts, or slight bruises, one application generally suffices.

For Colic, Pains in the Stomach or Bowels, a single dose generally gives relief before five minutes. In bad cases a dose may be taken every half-hour, or hour, till relieved.



FOUR SPLENDID WAGONS.

Farmers who desire a splendid Single or Double Seated Wagon, of the BEST make and NEST finish, can have a special bargain if they will call at 320 Clay Street, FARMER Office, where style of the Wagon will be shown them, price and terms also. An early call will secure a bargain rarely obtained.

BERKSHIRE SWINE RECORD.

A SPLENDID WORK IN THREE VOLUMES, ELEGANTLY illustrated with plates of the finest Berkshire Swine in the United States and the Canadas, sent out by the American Berkshire Association, is now for sale at the CALIFORNIA FARMER OFFICE, 320 Clay Street.

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N. ASHTON & SON'S

Liverpool Fine Salt.

IN UNIVERSAL USE THROUGHOUT THE EASTERN and Western States, and acknowledged far superior to any other brand of factory-filled salt.

Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory filled salt, therefore is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $13, for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams, and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"

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NEVILLE & CO.,

Bag, Tent and Hose Factory

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South-East Corner of Davis Street,

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IMPORTERS, MANUFACTURERS, AND DEALERS IN ALL KINDS OF

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SCAB AND TICKS

IN SHEEP.

S. H. KENNEDY'S MANUFACTURING CO.

NON POISONOUS

SHEEP DIP!

Manufactured by S. H. Kennedy's Manufacturing Co., Omaha, Nebraska, eradicates the pest. This is the only dip that adds to the staple and value of the wool. It will cure the most obstinate cases—diluted 150 parts hot water, and will not cost A CENT A HEAD each dipping. Packed in ONE and FIVE GALLON TIN CANS.

Dip Scabby Sheep in the Early Spring and Summer as that is the time to eradicate the disease from the skin. Fall and Winter dipping will not cure the Scab, it only holds the disease in check, in the Fall and Winter months, the insect that causes the Scab, is forcing his way so deep into the skin that he cannot be reached or destroyed, while in the early Spring the insect comes to the surface of the skin and is easily eradicated by one or two dippings in my Sheep Dip.

Price per Gallon:

TOBACCO DIP	$2 75
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One Farm of 1,500 acres, undivided, can have a great chance to buy this Farm.

One of 320 acres, of rich land of the very best soil, running water, and generally low land, capable of growing any crop wanted, a portion fenced, with fruit trees and vines now bearing.

One Farm of 160 acres of most excellent soil, capable of raising all Tropical Fruits in the greatest luxuriance.

All these Farms are in the Bee-region—and suitable for this interest—all sold on easy terms. For particulars address

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CLARKE'S
COMPOUND CONCENTRATED FLUID
EXTRACT OF EUCALYPTUS.
(AUSTRALIAN GUM TREE.)

INTERNALLY—Dose, Thirty to Sixty drops on lump sugar.
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FOR DIRECTIONS—SEE WRAPPER.
SOLE MANUFACTURER
DAVID CLARKE, CHEMIST,
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To prevent fraud, each genuine bottle is signed
Price 2s 6d *David Clarke*

We have appointed for the sale of this Medicine advertised in our columns the following

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These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.

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This most excellent material for all Clovers and Grasses, can now be had of the undersigned at the low price of

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Also—Building Plaster, Casting Plaster, and Terra Alba

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THIS CELEBRATED PUBLICATION OF THIRTY Years standing, one of the best works of the kind known, published by Peterson Brothers, Philadelphia.

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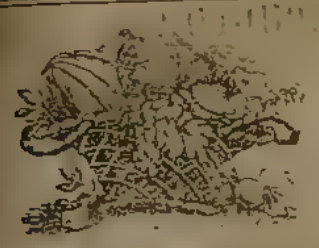
Can be had at the Reading Room of THE CALIFORNIA FARMER, 320 Clay Street, San Francisco.

FRESH EUCALYPTUS SEED.

Fresh seed of the EUCALYPTUS GLOBULUS just received from Australia—VERY EXTRA QUALITY.

Also twelve New Varieties not before introduced here, but valuable kinds.

For sale at the FARMER OFFICE, 320 Clay Street.



Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

ONE MORE LESSON FROM THE PAST.

[We select the following brief chapter of "plain truth," from the *Garden and the Field*, and can commend it to our farmers here, who have been growing Grain on the same land for 8, 10, 12 and even 15 years, without giving that soil any fertilizers, our farmers seldom fertilize, while New Zealand is ordering from California thousands of tuns annually of bone dust from our factories here, when will our farmers be wise.—ED. F.]

IMPOVERISHING THE SOIL.

We have had two bad seasons in succession, and, with another one in probability to follow, the question may well be asked, "What are we coming to?" If a train were about to start out of a railway station loaded with its living freight of holiday-makers, each one in the train knowing that a bridge over which they must pass was broken down, it would probably be said that such reckless indifference to a certain death was only to be attributed to a lot of madmen. It cannot for an instant be denied that the great majority of our agriculturists have long been aware that there is a gap somewhere ahead on their line, through which they must be precipitated to destruction, and unless they previously adopt some means for filling up that chasm their action in proceeding on the journey can only be likened to that of reckless men, who are satisfied with the good things of to-day, leaving the morrow to take care of itself. Mount Barker possessed as fine a climate and soil for the cultivation of wheat as was ever known, and crops up to 50 and 60 bushels per acre have been gathered there. Year after year the yield per acre has been diminishing, and now it will not pay to grow wheat. In all the old districts it has been the same, and many of the new areas, being of a less fertile character, are already following, so that in a very few years the growth of wheat will only be carried on at a great distance from Adelaide. If we borrow money and construct railways up into the country we may stave off the final catastrophe for a longer time, but it will inevitably come, and, like America, we shall have longlines of railways extending through a devastated country—devastated through a reckless disregard of future consequences, and anxiety to "settle" the country. This "settling" will be effected, but in quite a different way to that contemplated by our land reformers, unless something else is done apart from wheat-growing. In every misfortune there is a lesson, and to every cloud there is a silver lining. In the experience of Mount Barker, of the other Areas, of Chicago, of America, California, and other wheat-growing countries the one lesson has been taught—that no land will produce the same crop year after year without becoming exhausted. There has been no one exception to that rule, and if we apply the moral taught by the experiences of our neighbors, the black cloud which now overshadows us will exhibit its silver side.

SILK MANUFACTURE OF FRANCE.

In 1877 the quantity of silk reeled in France amounted to 510,000 kilogrammes, obtained from 2,400,000 kilogrammes of cocoons obtained from the French silk-raising establishments, and 1,800,000 kilogrammes of foreign cocoons. There are in France 500 reeling establishments, having 28,000 basins and 376,000 winders. The number of persons employed was 67,768, of whom 7,647 were men, 51,136 women, and 10,985 children. There were also fifteen establishments in France working up waste silk, that is the waste from the cocoons not reelable, the short pieces, etc., which are combed and spun. What remains over from this working is again used up by seven other factories, which, by means of further combing and carding, employ what was formerly only partially utilized or altogether lost to consumption.

The annual production of silk tissues and fabrics is estimated to be as follows in value:

	Frs.
Handkerchiefs	50,000,000
Crapes	8,000,000
Tulles	14,000,000
Velvets	30,000,000
Satins	25,000,000
Black silk for dresses	165,000,000
Colored	120,000,000
Plain and embroidered silks	28,000,000
Ribbons	80,000,000
Mixed fabrics	40,000,000
Francs	560,000,000
Equal to	$112,000,000

This is besides furniture silk. Lyons, St. Etienne, Paris, Tours, Nimes, Roubaix, and Picardy, are the chief centers of manufacture.

New Zealand Flax.

(Phormium Tenax.)

This wonderful Plant is worthy more and better attention than it has ever received at the hands of our people.

Had this plant been received as it deserves an hundred thousand acres of our supposed reclaimed land would have been saved from floods, it is the best guard for embankments, it can also be utilized for paper making, cordage and basket making, and made a source of income as well as a protection to all swamp lands.

Two large plants in the Post Office grounds in our City show the character and growth of this valuable plant, it is ornamental as well as useful

The seed can be had at THE CALIFORNIA FARMER Office.

Directions for Planting Tree Seeds.

All nut and hard shell seeds should be soaked in warm water, milk and water is better, and hot too, if convenient, soaked until the rind is softened, then placed in the earth as follows:

All seed of choice nut trees, or of ornamental and shade trees do better if planted in good sized boxes, and when 6, 10 or 12 inches high to be transplanted where they are to grow.

THE SOIL AND PREPARATION.

Take of good rich loam (virgin soil) one-third, one-third sand, one-third very old decomposed manure, mix them thoroughly, then prepare boxes with holes in the bottom for drainage, fill these boxes two-thirds full of this compost, and plant the seeds, each in separate boxes, and in thickness according to the size of the seed, then sift over them good sand and loam only, about 1½ to 2 inches, and over this cover about an inch of sawdust, then sprinkle with a fine syringe or water pot, the sawdust keeps the surface from baking. Keep the boxes in a light and cool place, free from the sun (which dries the surface) till the seeds are up and show 2 or 3 leaves, then bring gradually into the sun and air.

LONDON AGRICULTURAL SEED TRADE

From Messrs. John Shaw & Sons the well known Seed Merchants, of London, we have the following:—

MARK LANE, LONDON, E. C., July, 1879.

EDITOR FARMER:

Lack of animation continues to be the chief characteristics of the seed trade, though there is a slight increase of business.

Red Clover.—American is in some little demand, and full prices are paid by speculators; English, however, continues dull and neglected the quality of the parcels offering being unsuitable for holding over.

White Clover and Alsyke are both unaltered in price with but a limited enquiry.

Trefoil continues extremely firm, though business is confined within the narrowest limits.

Rapeseed, though not much enquired for, continues to tend upwards in price, the offerings of good seed being extremely light.

Mustard finds an improved sale at full rates, but the bad weather has the effect of deterring many dealers from purchasing.

Blue Peas continue to sell freely, and the market is now bare of almost all parcels having any pretensions to be considered even of fair quality.

Strawberry Plants for Sale

TWENTY VARIETIES.

The Rarest and Best.

PRODUCING BERRIES THIS SEASON from the size of a Walnut to that of a Hen's egg.

The varieties offered are new and choice and immediately productive.

Directions for their culture given to all purchasers. For sale at

Farmer Office.

BOOKS FOR FARMERS!

BOOKS FOR FARMERS' LIBRARIES

AGRICULTURE,
HORTICULTURE,
FLORICULTURE,
STOCK RAISING,
BEE RAISING,
POULTRY GROWING.

With many valuable and interesting works on all branches of each of these important industries.

For sale at lowest rates at
FARMER OFFICE,
320 CLAY STREET.

FREDRIC HILL,

COMMISSION MERCHANT,

20 NORTH WATER STREET,

PHILADELPHIA.

HONEY, GREEN AND DRIED FRUITS.

ADVANCES ON CONSIGNMENTS TO

LONDON AND PARIS.

49:12 Correspondence Solicited.

Very Rare Australian Seeds.

WE HAVE RECENTLY RECEIVED FROM AUSTRALIA large collections of the new varieties of the Eucalypti never before imported here; also, very rare TREE and SHRUB SEEDS, which are most desirable to introduce upon the Pacific Coast.

In order to scatter them widely, and thus have them extensively grown and more widely disseminated. We shall put them up into collections of *ten parcels each*, and mail them to order, at $5 each collection. Address

WARREN & CO.,
320 Clay Street, - - - San Francisco.

THE
HELPING HAND,
THE BEST BOOK.
PerSunday-Schools and Prize Meetings. 20Composers 140 Writers 136 Pages. 114 Hymns and Songs.
By W. F. Gill & J. H. Rosecrans.
Sample Copy, 35c., $30.00 per 100.
GEO. D. NEWHALL & CO., Pubs.,
Cincinnati, Ohio

48:2

S. M. PETTENGILL & Co., 37 Park Row New York, 10 State Street, Boston, and 701 Chestnut Street, Philadelphia, are our Agents for Subscriptions to THE CALIFORNIA FARMER in the above cities, and also our AUTHORIZED AGENTS to contract for ADVERTISING at our lowest rates.

WARREN & CO

WELL AUGER, OUTS is guaranteed to be the best in the world. Catalogue free.
W. W. GILES, 169 Clark st., Chicago, Ill.
49:14 61 eot*

B. GRAVE & CO.,

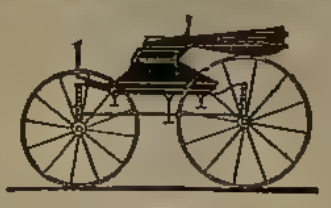
CARRIAGE MANUFACTORY.

The only Builders of the

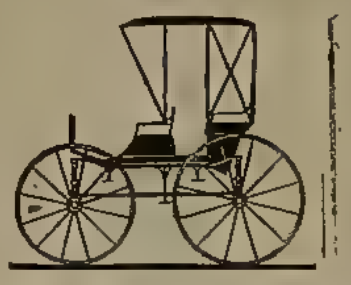
OPPENHEIM DOUBLE BUGGY,

—AND—

ROCKAWAY COMBINED.



SINGLE.



DOUBLE.

421 and 423 PACIFIC STREET,

SAN FRANCISCO.

49:11

NURSERYMEN AND FLORISTS ABROAD.

Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurserymen, especially, who have NEW and RARE kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our JOURNAL circulates there to a large extent.

This is the season when Nurserymen should make known what they have for sale.

Warren & Co.,
PROPRIETORS CALIFORNIA FARMER.

Best Fruit Dryer in the World.

HAMPTON & KELLY

—AND—

KELLY & COLE'S

FRUIT DRYER.

THIS MACHINE DRIES BY STEAM HEAT AND DOES not burn the fruit. It is very economical in its working machinery, and so perfectly simple that every family can use it in their homes; it is also perfectly safe.

In connection with this machine I an admirable GRINDER capable of grinding one bushel of fruit per minute.

The capacity of drying of the SINGLE DRYERS are from 20 to 30 bushels in 10 hours for each machine. Large machines will dry from 30 to 100 bushels in 10 hours.

Orders for these machines, for the present should be sent to Messrs. Kelly & Cole, First and Salmon Streets, Portland, Oregon.

A manufactory of these Dryers will soon be established here, and will be under the superintendance and management of ALFRED B. COLLVER, who is the General and Traveling Agent of all these inventions.

Mr. Collver will have his office in this City a early day—all letters for him can be addressed through the Express or Postoffice to the undersigned, and they will have prompt attention.

ALFRED B. COLLVER,

N. B. Letters can be directed to me care of EDITOR FARMER, to whom we are permitted to refer for the excellent quality of our Fruit Dryer. A. B. C.

49:7

THE TRALL

Hygienic Sanitarium

No. 8. ELLIS STREET,

SAN FRANCISCO.

Thermo-Electric, Steam, Hot Air and other Baths. Electricity, Swedish Movements, Health Lift, Etc.

Healthful Board and Pleasant Sunny Rooms

D. C. MOORE, M. D.,
(Late associate of Dr. Trall,)
Resident Physician and Manager.

MRS. E. D. MOORE, M. D.,
Ladies' Physician and House Superintendent.

Send for Trall Health Journal.

49:7

Remitting Money.

We desire those who Remit us Money, to send it either in Checks on our *Banks here*, or by Post Office Order, or Green backs.

We desire this *specially*, of *Newspaper Agents*, or others abroad who send *their Checks* on Home Banks—this occasions delay or expense to us in collecting, while it is just as easy for them to adopt the way we point out, and send us Cash or Currency. These are our terms.

WARREN & CO., Publishers FARMER.

J. M. THORBURN & CO.,

15 JOHN ST.

NEW YORK.

Growers and

Importers of

GARDEN,
FLOWER,
GRASS,

— AND —

TREE SEEDS.

SOLICIT Orders for the above from the TRADE, also, *GLADIOLUS* and all other *BULBOUS ROOTS*.

44:15 Price Lists on Application.

Each Number contains THIRTY-TWO PAGES of reading, many fine Wood Cut Illustrations, and one COLORED PLATE. A beautiful Garden Magazine, printed on elegant paper, and full of information. In English and German. Price, $1.25 a year; Five copies $5.00.

Vick's Flower and Vegetable Garden, 50 cents in paper covers; in elegant cloth covers $1.00.

Vick's Catalogue,—300 Illustrations, only 2 cents.

Address, JAMES VICK, Rochester, N. Y.

49:1

W. H. FLETCHER,

Shipping and General Commission Agent,

40 HUNTER STREET,

SYDNEY.

WILL ACT AS AGENT FOR GOODS SENT TO THE Sydney International Exhibition, and attend to sales afterwards, or otherwise as instructed.

REFERENCES.

HUGH CRAIG, Esq., 307 California Street.
MESSRS. WARREN & CO., San Francisco.

49:10

E. T. ANTHONY & CO.,

DEALERS IN ALL KINDS OF

TOBACCO

—FOR—

SHEEP WASH

PURPOSES.

THE NEW SHEEP DIP.

We invite our wool growers to call on us and examine the NEW OMAHA SHEEP DIP the best preparation yet offered—one gallon dip makes 150 gallons wash.

407 and 409 Commercial Street,

NEAR BATTERY, SAN FRANCISCO.

49:10

FARMS, RANCHES

—AND—

LANDED ESTATES FOR SALE.

Now that we have so many settlers of the BETTER CLASS coming to our State, those who have

Lands, Ranches, Farms,

—AND—

IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms and Libraries in the United States.

☞ Advertisers will be wise that consult our columns. ☜

WARREN & CO.,
CALIFORNIA FARMER OFFICE.

NEW TOOTH POWDER!

The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath.

DAVID CLARKE'S

Eucalyptus Tooth Powder,

The BEST EVER COMPOUNDED and destined to supersede all others.

WARREN & CO., SOLE AGENTS,
320 CLAY STREET, S. F.

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SERIES.

What to Eat. A Manual for the Housekeeper: giving a Bill of Fare for every day in the year. 134 pp., cloth..... 75 cts.

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The Student's Own Speaker. By PAUL REEVES. A Manual of Oratory, comprising New Selections, Patriotic, Pathetic, Grave and Humorous, for home use and for schools. 12mo, 216 pp., cloth..... 90 cts

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A Manual of Etiquette. With Hints on Politeness, Good Breeding, etc. By "DAISY EYEBRIGHT." One volume, 12mo, boards..... 50 cts

The Mother's Register. Current Notes on the Health of Children. Part I.—Boys; Part II.—Girls. "The Mother records for the Physician to interpret." From the French of Prof. J. B. FONSSAGRIVES, M. D. 12mo, cloth..... 75 cts.

Hints on Dress. By an AMERICAN WOMAN. Outline History of Dress. Things Indispensable. Estimates of Cost. Economy and Taste. What we Mean by Dressing well. Color, Form and Suitability. How and what to Buy. 12mo, 124 pp., cloth..... 75 cts.

The Home: Where it Should Be, and What to Put in It. Containing Hints for the Selection of a Home, its Furniture and Internal arrangements, with carefully prepared price-lists of nearly everything needed by a housekeeper, and numerous valuable suggestions for saving money and gaining comfort. By FRANK R. STOCKTON, (of *Scribner's Monthly*). 12mo, 152 pp., cloth..... $1 00.

The Mother's Work with Sick Children. By Prof. J. B. FONSSAGRIVES, M. D. Translated and edited by P. P. FOSTER, M. D. A volume full of the most practical advice and suggestions for Mothers and Nurses. 12mo, 224 pp., cloth..... 75 cts.

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All these valuable books can be had at the FARMER OFFICE, and will be mailed by us Post Free on the receipt of the price named above.

WARREN & CO.

49:11

WANTED!

To all who Seek Profitable Employment

Ministers, Teachers and Farmers

Do you want to employ your leisure time satisfactorily send for an agency for your locality for one or more of following valuable books:—

THE PICTURE FAMILY BIBLE.

CHASE'S IMPROVED RECIPES.

HITTELL'S HISTORY OF SAN FRANCISCO.

THE FARMERS' CYCLOPEDIA; OR, 100,000 FACTS FOR THE PEOPLE.

THE PICTURE HISTORY OF THE WORLD.

THE PACIFIC LAW ENCYCLOPEDIA.

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Send for full particulars In every neighborhood there is demand for good books. Ladies will find this a remunerative business. Address

A. L. BANCROFT & CO.,
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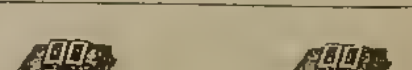

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—AND—

JOB PRINTING.

POSTERS, CARDS,

—AND—

CIRCULARS,

PROMPT, CHEAP AND GOOD

AT THE LARGEST PRINTING HOUSE

On the Pacific Coast.

COMMERCIAL

STEAM MAMMOTH

PRINTING HOUSE

FRANCIS, VALENTINE & CO.,
517 CLAY STREET. 49:1

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, AUGUST 7, 1879.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Mahlen Building—Up Stairs.

FARMERS HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms. Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for one insertion, fifteen cents a line for any larger space. Each subsequent insertion ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

Editor's Chair.

Bills Sent Out.

We would hope that those of our patrons to whom we have sent bills, will kindly remember that a good many *little sums from each* would be of great advantage in times when money is of value.

Home.—We specially invite lovers of home songs to the excellent *Poem* "Slack a Little," every loving husband and father should sing this song at home if he wishes those he loves to *live*. "Bird Songs" contains a ditty for maidens to sing.

"Two Hands."—We ask a serious attention of *parents* to this Essay, we have always held that both hands were made to use, this Essay explains it all, the world has been *one sided* too long.

Horticulture has its column to read.

Miscellany has matters of interest.

Agriculture.—We continue the most excellent story of "How the Old Farm was Saved," and it will be well if our farmers who are now complaining of "hard times" if they would read this whole story, perhaps it might save many a farm that is now in danger of being "sold for the mortgage."

Our Front Page!—We give a very interesting letter from our esteemed friend from the *Yosemite Valley* which was mislaid and delayed—but good always.

We give the valuable Wool reports of Messrs Falkner Bell & Co., and Walter Brown & Co., of great value.

Australia.—We have a nice song from *Australia*, indicative of the rapid growing condition of that country—our people should now look to the coming *great Fair at Sydney in September* which should be improved for California's benefit.

Next Issue.—A crowd of matter compels us to defer many valuable letters till our next.

A letter from Alice, our esteemed Correspondent of former years, letter from Papeeta, and from Washington, letters from Paris and London, also a large mass of books, catalogues, etc., all to be noticed in our next.

Sketches of a visit to the Wool Warehouse of Faulkner, Bell & Co., and to the Ropewalks and other manufactories.

At the Play.

The recent Publication at the *News Letter* Office of "Our distinguished Pioneers" in the picture of "At the Play," is a most creditable production, some of the faces are perfect and all good, everybody should have that picture as a memento of *Old Californians in a Group*

Bailing Rope---Better than Wire.

Wire rope for binding hay is condemned by many, we find in European Journals and those at home, that wire rope for *bailing hay* and also grain has been found injurious in many ways, and is now being rejected by many that formerly used it, and good bailing rope used in preference, the N. Y. *Economist* condemns wire, and recommends *Rope* as preferable.

The Yosemite Travel.

The visitors to this "great wonder of the world," this spot of enchantment, although the number of travelers has not been as numerous as in past years there has been more strangers from abroad, and more from Europe than heretofore.

The largest number of travelers have been over the Mariposa routes under the management of Washburn & Co., of the Yosemite Stage and Turnpike Co., for which route Samuel Miller, Esq., is the agent, corner New Montgomery St. and Palace Hotel—this is the best route and the quickest, Mr. Miller is the *right man* for all information about the Yosemite or the Geyser Springs.

THE SEASON AND CROPS.

The universal desire now to speculate upon the grain and flour market, brings us all kinds of telegraphic dispatches from Europe, Chicago and New York—and any careful reader will find that they are very contradictory, and so much so as to give an assurance that dispatches are many of them about as reliable as are our political reports.

One report says, "short supply from Russia"—another that "France needs an unusual supply"—and yet cargoes of wheat and flour that arrive at the Liverpool docks are not finding a good market, and prices are tending downward—then we are led to suppose that all is fair in the "tricks of trade" in the grain market, as well as in politics—so the world goes.

One thing is very certain, we shall have a sum total of grain and flour to export equal to any year we have had of late, and that when the great totals of the year from harvest to harvest is made up, our exports will have reached the amount of 500,000 tons, these are our figures—and we should not be surprised if they swelled up to 600,000 tons.

The Wool Clip shows well this year as is seen by the excellent Wool report of Messrs. Faulkner, Bell & Co., in our Columns this week, to which we call special attention, also to the Wool report of Walter Brown & Co., of New York, which shows the condition of markets there.

The Hop prospect is brightening up for our growers in California, and values advanced.

The Fruit crop is very immense this year and prices are ruling very low, while the canning business is now assuming huge proportions.

The Vineyards of our State give a wonderful promise, there will be the largest grape yield ever known, and our Wine product reach nearly Ten Million Gallons, and better in quality than ever before.

The Wines of California are now established with a high reputation abroad, and with largely increasing sales even to European countries, and as the adage has it, "Good wine needs no bush."

Were it not for the "blight" that has been put upon trade everywhere by the *political tricksters* that now rule our State and keep it in perpetual commotion, we should be in a most prosperous condition, but after the great elections are over we may all see hope and sunlight.

Our State should be a prosperous one.

MONOPOLIES.

There is at this time a great hue and cry against our great and valuable internal improvements, the press almost everywhere strive to coin the bitterest words and the severest epithets to hurl against the Central Pacific Rail Road, the Pacific Mail Steamship Company and the Oregon Steamship Company, and as these are the great sources whence the trade of our country is built up, and because the managers of these are wealthy, they are stigmatised as great *monopolists* and all the anathemas of a vile press are hurled upon them.

We will suppose a case, one that we think would but show the real good they do to our State and coast.

Suppose the managers of these great highways should now announce that finding they do not please the masses, they have concluded to suspend running steamers or railroad cars for one month, and allow the people to do their own hauling.

How long would it be before this miserable fault finding crew would be made to feel the full value of these great public blessings.

BAGGING THE GRAIN.

"Bagging the Grain" "Bagging the Market," "Bagging the Game" and *Bagging the Gain* are four different practices that have been in operation the last few weeks in our City and State, and fortunate are those whose *gains* are greater than their *losses*.

For some time past we have been urging our *grain growers* to look well to their own interests, and secure their bags, for on the first, second and third week in July, even up later, the bag market quoted bags at 8¾ and 9¼, then was the time for our grain growers to have secured their bags, now all that failed to supply themselves must pay 11 to 11½, according to quantity wanted, this is a change of nearly one-third in value in a few weeks, a large price to pay for delay, far better to have sold their grain at a shade lower and bought their bags, but these delays must always be paid for—the only remedy now for purchasers is, to do the best they can, and to all who wish to make purchases at the lowest figures and best rates we would commend them to the large Bag Manufactory of Messrs. Neville & Co., 33 California street, who most fortunately having laid in a good supply at low figures *they can do the very best* for those *late buyers*, who now want bags, Messrs. Neville & Co., can supply all who want, from *Ten Thousand* to an *Hundred Thousand*.

Delayed Harvests.

The Grain crops this year come to market later than usual, but it is not owing to a late ripening but to *another cause*, the want of *ready money* with many of our farmers, has prevented their harvesting as prompt as usual, *money* to pay the gathering in of their crops, *money* to buy bags to sack it, and *money* to pay freight to get it to market, has been a material hindrance and one of the principal causes of late work.

There are yet crops of standing grain, and many stacks of harvested grain, and *money* is wanted to cut the one and thrash and sack the other, and there is no *Friedlander* or *Ralston* to quickly give a helping hand, therefore this work has been late this year.

The great scarcity of ready money among our farmers is a serious drawback to a general prosperity, and better times will never come to our farmers until *old systems* of cultivation and of labor are adapted, and the credit system abolished, when thus completely revolutionized, then the "good times coming" will knock at every farmer's door.

Ward's Fertilizers.—These very superior kinds of *Fertilizers* and also *Insect destroyers* should be universally used upon plants and flower

OUR SILVER.

The future of silver is one of the most interesting problems now agitating financial circles in all parts of the globe. In its solution every nation is deeply concerned, and every industry dependent to a large extent. It needs no oracle, at this late day, to inform the world that there is not gold enough to transact anything like its present volume of business, and that by means of rapid communication the wondrous increase of productions by reason of new machinery, and the steady opening of new markets, the need for the precious metals, as media for exchange for other commodities, bids fair to outgrow the supply—a tolerably accurate idea may be formed of what becomes of gold, but the ultimate fate of silver is not so clearly ascertained. We only know that after Oriental nations get possession of it, it never returns to the marts of the world at large, but becomes as virtually inaccessible to civilized commerce as if it had never been mined. It has been furthermore computed by capable authorities, that at least $50,000,000 a year are consumed in the arts, lost by abrasion, and destroyed by other causes. The immense surplus so long carried by Germany, and subsequently unloaded upon the world's markets to the extent of surfeiting them, has been almost exhausted. Several states lately renewed a demand for silver, and Italy, especially, has announced her determination to coin 12,000,000 five franc pieces every year for several years to come. In the meantime, there has been a notably decreased production of silver from all sources. We herewith furnish the statistics showing the annual yield of silver, and the annual export of silver to Oriental countries for the year 1876, '7-'8:

Year	Silver yield.	Exports to the Orient.
1876	$74,000,000	$64,000,000
1877	86,000,000	104,000,000
1878	74,000,000	41,000,000
Total	$234,000,000	$209,000,000

It will be seen that exports to the East were within $25,000,000 of the total production for three years, and as $50,000,000 are consumed in the arts, etc., as above stated, the deficiency must have been made good from the supplies furnished by Germany, and from other sources of which no account has been taken. The great bulk of silver now held in Europe, in its coined form, exists among the States of the Latin Union, and is so hedged in by treaty stipulations, which give it an artificial value, that it can not get out, and would not if it could. There appears to be no sufficient cause to believe that the annual consumption of silver by the Orient will fall much short of the average above given, for although it was excessive for 1877, it fell far below the annual absorption in 1778. It is, however, possible that the supply may be largely increased by new discoveries in Colorado, Arizona, and other sections of this country; but this is just as likely to be counterbalanced by decreased yields from old sources. It is clear, however, that unless the production from all sources shall be in excess of the $50,000,000 consumed in the arts, and to keep up the supply of subsidiary silver coinage, there will be an exhaustive draft upon all existing stocks, producing a steady upward tendency in the price of silver. In this connection, the New York *Financial Chronicle* very aptly says: "If England will only keep her hands off from India, and permit the Eastern absorption of silver to have its natural play, the full value of that metal will certainly be maintained, and it is also very probable that it will regain its old relation to gold as rapidly as it is desirable that it should—anything like an instantaneous restoration of that relation, by such artificial measure as a lock up of silver by the Bank of England, would be attended with a risk as to its effect on the prices of commodities which it would be dangerous to incur." If our national law makers would only take the trouble to inform themselves of all the facts bearing upon the present actual status of silver, with a view to understanding its probable future for years to come, there would be no vexatious financial tinkering to keep the nation's business in constant turmoil.

[This review of the silver question by our neighbor the *Market Review*, is a just one and worthy note.—Ed. F.]

COOKING RANGES AND COOK STOVES.

How essential to family comfort is a good cooking range or cook stove, where the food we eat shall be well prepared for the human stomach, for be it remembered that the stomach is the *engine* that moves the body onward in the labors and duty of every day life.

Poor or common meats *well cooked* is far better than good or even *choice meats* spoiled—for upon the preparation of the food will depend the digestion of what is eaten—and we pity the poor creatures who have bad digestion, for the life of a dyspeptic is a heavy burden.

Messrs. Geo. H. Tay & Co.,

have recently been doing a vast deal of good for the families of California, and for good cooking and the preservation of health, by introducing some of the best and finest cooking ranges and stoves ever yet shown on this Coast.

Messrs. Tay & Co., are large manufacturers of Stoves and Ranges, having their own foundries.

We had a look at their new Patterns recently, and confess our surprise at the elegant finish now put to their stoves, among those we noted were,

The "Flora Range" an admirable pattern, a 6 hole range with extension top shelf, having nickel plated knobs and zinc lined, a very fine Range and at a very reasonable price.

The "Bonanza" a 4 hole cook stove very neat, a capital worker and low cost.

The "Army Stove" with capacity to cook for an hundred men, and splendid outfit, with a tank to hold 40 gallons of water.

Messrs. Tay & Co., have an immense Warehouse on Battery street, just beyond the Post Office, at this Warehouse our farmers in the country when they come to our City should pay a visit, they would find family stoves and wares of the best, and make a saving in their purchases too.

Messrs. Tay & Co., are the manufacturers of the great Dairy Cheese Vats of the best pattern known, their splendid wares will be seen in their display at the Pavilion.

The Mechanics' Fair.

By the Card in our Columns it will be seen that the Mechanics' Fair opened up for the season August 5th, to remain open about the usual time—a month.

The *public* know but very little about this Fair yet, as it was but lately heralded to the public, whereas it should have been announced *months ago*, and every inducement offered to draw out the people.

As no Premiums are offered this year save the great prize, the masses hold back, as a *Fair* Premium is a kind of a *magnet* that all exhibitors like to touch.

As the Fair Exhibition has begun, it will take nearly ten days before it will be in perfected order, and then we hardly believe the Exhibition will be as large or as complete as in former years, for the general depression of trade, the non-stimulus of Premiums, each will tend to prevent as large a competition as in former years.

We shall commence our notes by another week, when order takes the place of bustle and noise, confusion now marks the beginning of what is to be.

THE LILY TRIBE.

Much has been said and written about the Lily, because it is not only one of the most beautiful flowers of the earth, but because it is one of the grandest flowers in all its forms, colors and features that is known under the reign of the Goddess Flora.

The first records we have of the lily is in the "Sermon upon the Mount" by our Blessed Saviour, he says:

"Behold the lilies of the field, they toil not, neither do they spin, yet I say unto you, *that Solomon in all his glory was not arrayed like one of these.*"

Fifty years ago but few species of the lily were cultivated in the United States; the great white lily of the garden *(Lilium Candidum)* was the great show flower of our gardens then, and but little progress in lily culture was made until the gorgeous *Japanese Lilies* were first imported into Massachusetts by that noble pioneer of horticulture, Hon. M. P. Wilder; by the introduction of a few of those gorgeous varieties, others were raised from seed and still other varieties were again imported, then began an enthusiastic love of lilies, and 5, 10, 20 and even $50 each were paid for the new and rare kind of these lilies.

The white lily first named with the new Japan lily prompted the research for lilies in every State and every part of the world, California giving to the Catalogue of lilies many new and grand varieties, these are now sought for by florists the world over; the great white lily of California, *Washingtonia*, often seen 6 and 8 feet high, being one of the finest lilies known.

All the above lilies are garden lilies only for the garden for border culture, or for the conservatory, and as such form a collection when complete that would for regal beauty eclipse the glory of Solomon's Court.

More recently there has a taste been excited for the beautiful class of Water Lilies; these are now attracting great attention among florists and amateurs cultivators everywhere.

Most of our readers from New England can remember the beautiful white water lily that was so eagerly sought for in ponds in bright summer time, when in bloom, some 30 to 40 years ago or more this was the only *pond lily* then known—this was *(Nymphea Odorata)* the American water lily, but now of late years the varieties have largely increased, both by discovery of new kinds and by hybridization; about *one dozen kinds* are known and cultivated in the United States, at the head of this class of flowers, the crowning glory of the water lily stands the

Great American Lily,

first known and named the Victoria Regia, which excited wonderful interest in the United States at its first blooming, in Philadelphia, at the Garden of Caleb Cope, Esq., who generously gave the proceeds of the exhibition of the Grand Blooming to charitable societies, the receipts on that occasion were upwards of $30,000.

This lily afterwards was bloomed at the garden of Mr. Allen of Salem, Mass., and Mr. Allen published a splendid work of large size, giving its history in all stages of its growth and blooming, with the flowers full size and in colors, we have a copy of that splendid work now, and as this lily is now coming into bloom in our "Central Park" here we can soon test its great merits by its blooming, we shall watch this flower with much and deep interest, and report it carefully.

The flower of this wonderful lily when discovered in bloom in the *River Amazon*, measured *five feet in circumference*, the leaves of the plant more than 20 feet in circumference and capable of sustaining the weight of a man, upon its surface.

We have read several notices lately in our City Journals of a *new pink water lily, recently in bloom* and stated to be the *first ever* bloomed here; this is an error, as Jackson Lewis, Esq., of San Jose, imported and bloomed *(Nymphea odorata Rosea)* the beautiful *pink water lily*, the last year, and undoubtedly has it in bloom this year also, together with *Nymphea Cerulea* (blue) and *Nymphea Alba* (white).

There are now 8 or 10 distinct kinds known and grown, and catalogued by the various florists in the different States to our own knowledge, ere long as the taste for their culture increases these will all be grown, and form groups of as rare beauty as the world ever saw, and we hope they will be introduced in California in the grounds of our wealthy citizens.

HURRAH FOR OUR PLOW, BOYS.

Hurrah for the Victor, has been most admirably done in a fine illustration of the plowman by the John Deere Plow Company in their vignette picture upon their late Catalogue, which shows up a Plowing Match between the plowman in two fields adjoining.

In the one field is the old style "wooden plow" worked by a yoke of oxen—the *driver* of the oxen belaboring them with whip and goad, while the *plowman* bends down in a manner showing how hard is his task, a very little stretch of the imagination would show both these workmen puffing and sweating away at their hard and toilsome work.

In the other field is seen the "Gilpin Sulky Plow" with three fine, select, handsome horses, a noble team hitched to it, the plowman in his seat with reins in hand, smiling and cheerful at his work, then with nicely turned furrows this plowman moves on with easy, rapid motion, every deep turned furrow a *bee line*, smoothly turned and with level surface as if done by hand, and there is pride this plowman takes off his cap and waves it to his neighbor in the next field as he says to him, *two* 'boute' in my field to your *one*, hurrah! hurrah!! for *our Plow*, boys.

The Picture on this Catalogue is worth the cost of a Plow, to look at.

We invite the reader to look at the splendid plows of the "John Deere Plow Company," advertised in our Columns and see them at work.

The leaves of trees, like summer boarders with bills unpaid, take their departure, leaving their old trunks behind them.

AGRICULTURAL FAIRS.

FOR THE YEAR 1879.

FOREIGN FAIRS.

AUSTRALIAN INTERNAL EXPOSITION.
FAIR AT SYDNEY.
Commences Sept. 1—Continues 6 months.

CENTRAL CANADA FAIR.
FAIR AT GUELPH.
Commences Sept. 15—Continue 5 days.

ONTARIO PROVINCIAL FAIR.
FAIR AT OTTAWA.
Commences Sept. 22—Continues 6 days.

THE OLD STATES.

AMERICAN POMOLOGICAL SOCIETY.
FAIR AT ROCHESTER, N. Y.
Commences Sept. 17—Continues 3 days.

AMERICAN INSTITUTE FAIR.
FAIR AT NEW YORK City.
Commences Sept. 15—Continues 16 days.

NEW ENGLAND FAIR.
FAIR AT WORCESTER MASSACHUSETTS.
Commences Sept. 2—Continues 4 days.

MASSACHUSETTS HORTICULTURAL FAIR
FAIR AT BOSTON.
Commences Sept. 9—Continues 4 days.

MAINE STATE FAIR.
FAIR AT PORTLAND.
Commences Sept. 16—Continues 4 days.

CONNECTICUT STATE FAIR.
FAIR AT HARTFORD.
Commences October 14—Continues 4 days.

VERMONT STATE FAIR.
FAIR AT MONTPELIER.
Commences Sept. 9—Continue 3 days.

RHODE ISLAND STATE FAIR.
FAIR AT CRANSTON.
Commences Sept. 9—Continues 3 days.

NEW YORK STATE FAIR.
FAIR AT UTICA.
Commences Sept. 8—Continues 5 days.

NEW JERSEY STATE FAIR.
FAIR AT WAVERLY.
Commences Sept. 8—Continues 6 days.

DELAWARE STATE FAIR.
FAIR AT DOVER.
Commences Sept. 22—Continues 7 days.

OHIO STATE FAIR.
FAIR AT COLUMBUS.
Commences August 25—Continues 5 days.

PENNSYLVANIA STATE FAIR.
FAIR AT PHILADELPHIA.
Commences Sept. 8—Continues 13 days.

ARKANSAS STATE FAIR.
FAIR AT LITTLE ROCK.
Commences October 20—Continues 5 days.

ILLINOIS STATE FAIR.
FAIR AT SPRINGFIELD.
Commences Sept. 29—Continues 7 days.

INDIANA STATE FAIR.
FAIR AT INDIANAPOLIS.
Commences Sept. 29—Continues 7 days.

ST. LOUIS FAIR.
FAIR AT ST. LOUIS.
Commences Sept. 22—Continues 20 days.

VIRGINIA STATE FAIR.
FAIR AT RICHMOND.
Commences October 28—Continues 4 days.

NORTH CAROLINA STATE FAIR.
FAIR AT RALEIGH.
Commences October 14—Continues 6 days.

WISCONSIN STATE FAIR.
FAIR AT MADISON.
Commences Sept. 8—Continues 5 days.

MICHIGAN STATE FAIR.
FAIR AT DETROIT
Commences Sept. 15—Continues 5 days.

NEBRASKA STATE FAIR.
FAIR AT LINCOLN.
Commences Sept. 8—Continues 5 days.

MINNESOTA STATE FAIR.
FAIR AT ST PAUL.
Commences Sept. 1—Continues 6 days.

MINNESOTA AG. & MECH. ASSOCIATION.
FAIR AT MINNEAPOLIS.
Commences Sept. 1—Continues 6 days.

GEORGIA STATE FAIR
FAIR AT MACON.
Commences October 27—Continues 5 days.

MONTANA STATE FAIR.
FAIR AT HELENA.
Commences Sept. 29—Continues 6 days.

CHICAGO AGRICULTURAL FAIR.
FAIR AT CHICAGO.
Commences Sept. 3—Continues 16 days.

COLORADO STATE FAIR.
FAIR AT DENVER.
Commences Sept. 23—Continues 5 days.

PACIFIC COAST.

CALIFORNIA STATE FAIR.
FAIR AT SACRAMENTO.
Commences Sept. 8—Continues 6 days.

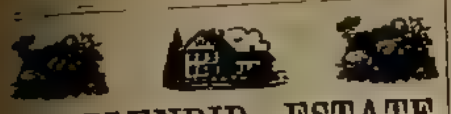
MECHANICS' FAIR.
FAIR AT SAN FRANCISCO.
Commencing August 5—Continues about 1 month.

OREGON STATE FAIR.
FAIR AT SALEM.
Commences Sept ——Continues — days.

NEVADA STATE FAIR.
FAIR AT RENO.
Commences October 7—Continues 6 days.

Our Agricultural Fairs.

We invite attention of all interested in Agricultural Fairs to the best list published on this coast. Our District and County Fairs will appear as soon as Secretaries wake up to duty and send in their lists.



A SPLENDID ESTATE.

One of the finest estates on this coast can be purchased on the most liberal terms and at truly advantageous rates, offering to any gentleman, of means and taste, a rare opportunity to secure to himself an elegant location all ready made, with Orchards, Vineyards, Ornamental and Garden Grounds, all yielding a large income from the sale of Fruits, Wines, and other products annually.

This estate comprises from 300 to 350 acres of the finest land on this coast, admirably located, between well sheltering hills, in as beautiful a valley as can be found, and isolated from any other landholders, thus giving a true principality and a royal domain.

The reason of sale now is, the desire of the owner to retire from so active a duty and so great a charge, to one of many years, as the care of such an estate demands, when the gathering of Fruits, marketing the same, the making of Wines, that the proper care of Orchards, Vineyards, etc., requires.

The income of this estate approximate to $20,000 annually, and to a company, or to any person, who will give due and proper care to such an estate, the whole property could be made with the income and profits in four or five years.

No description of this estate would do it justice, it must be seen during its heavy bearing crops to be appreciated, and now is the time for any person who wishes to secure a splendid and beautifully located country home to visit and examine the estate.

There are at present on the estate a neat cottage, wine and fruit houses, stables, etc., with ample surroundings for making a truly modern beautiful home.

What an opportunity for a truly prosperous enterprise in fruit raising and fruit preserving, and the leading fruits for export, both for fresh and dried, and also for wine making.

We give the proof of what a solid foundation there is on this estate for such an enterprise, by showing the extent and the number of trees now in bearing upon this fine estate, in the following data.

The Vineyard is one of the best in this State as to the selection of the vines and the variety, and to their present health and bearing state, being in their very prime. The Vineyard covers 35 acres, and is most perfectly located, so as to receive the morning sun.

The Orchards are most admirably located, trees are the choicest, all in the most perfect health and in full bearing, and their numbers, near as possible, are as follows:

Cherry	1,500
Pear	500
Apple	700
Peach	700
Plum	200
Quince	200
Pomegranates	60
Almond	50
Fig	70
Walnut	50
Orange, large	750
Orange, small and new kinds	35
Vineyard named above, acres	

A beginning and a basis for a splendid Orangerie of great value with the young Orange trees named above.

This immense collection is the grand basis of a fortune.

Here there is the foundation for a grand enterprise for raising choice fruits for our markets.

For making Raisins for export
For Drying and Preserving for export.
For exporting Fresh Fruits East.
And for making Wine.

To a company of young, active, enterprising men, perhaps four, who should each assume the head of different departments, viz:

One for Market Fruits.
One for Raisin Making.
One for Wine Making.

And one, a General Manager, to employ and pay men and superintend the labor department—such a division of labor making a certain success for all.

Here with a reasonable capital of some $15,000 in hand, a property of more than $50,000 could be controlled and could be made and cleared in less than FIVE YEARS.

The location of this property for beauty of scenery, for excellence of position to many markets, at home and abroad, is unequalled; and the reputation of the fruit grown on this estate is so famed that the highest price is always obtained for fruits bearing the name of these orchards.

Now then, in times like the present is an opening for a splendid enterprise, the reason of the sale of this estate is the declining health of the owner and his advanced age.

The title to this estate is the most undoubted, and clear proof of the certain success of the prosperity of such an enterprise to energetic and capable men, can be clearly made manifest.

All particulars can be had by *bona fide* purchasers, by addressing EDITOR FARMER.

UNIVERSITY OF CALIFORNIA.

THE ENTRANCE EXAMINATIONS for 1879 will be resumed Wednesday, August 6th, at 10 A. M., and continue three days. All applications for admission to the Colleges of Science and of Letters are requested to present themselves punctually at Room No. 1, North Hall, Berkeley.

M. KELLOGG,
DEAN OF FACULTY.

BEST FRUIT DRYER.

The Best, Cheapest, and Easiest working Fruit Dryer yet invented is the

GRANGER'S FAMILY Fruit and Vegetable EVAPORATOR.

APPLES DRIED IN TWO HOURS.

Needs no extra fires, as it can be used upon a Cooking Range while in use for other purposes. Dries perfectly and rapidly Apples, Pears, Peaches, Plums, Cherries, Currants, Grapes, Berries, Corn, Peas, Beans, Pumpkin, Squash, and all kinds of Herbs. Makes beautiful Jellies, Jams and Syrups. No family should be without one.

THREE SIZES—PRICES LOW.

WARREN & CO.,

AGENTS FOR THE PACIFIC COAST,

320 Clay Street, San Francisco.

URANINE.

This wonderful new compound which has excited so much wonder and admiration, and which is so valuable as an Analine Dye, has been received by us and will be offered for sale by us at early day. We can show it as illustration of its magic power—a single grain will color 350 gallons of water. For sale at

FARMER OFFICE.

TRADE MARK.

LITTLE'S CHEMICAL SHEEP DIP

THIS NEW NON-POISONOUS SHEEP DIP, PRICE $2.00 per gallon. For directions and testimonials. Apply at

FALKNER, BELL & CO.,
WOOL AGENTS,
430 California Street. 49:13

PHIL NEIS,

Hop Dealer and Commission Merchant.

HOPS AND BARLEY SPECIALTIES.

Pressed Hops in ¼, ½, and 1 pound Packages.

109 CALIFORNIA STREET,
SAN FRANCISCO. 49:14

MECHANICS' FAIR,

SAN FRANCISCO, CAL.,

OPENS AUGUST 5, 1879.

SCIENCE, ART, INDUSTRY AND NATURAL PRODUCTIONS will be fully represented.

GRAND INSTRUMENTAL CONCERT each afternoon and evening. MACHINERY IN MOTION, RARE PAINTINGS, FINE STATUARY, A TROPICAL GARDEN, FOUNTAINS and PROMENADES will make this Exhibition the most instructive and pleasant place of resort on this coast.

Those desiring space should apply at once.

Office 27 Post Street.

IRVING M. SCOTT, President.
J. H. CULVER, Secretary. 49:13

S. P. TAYLOR & CO.

416 CLAY ST.,
Between Sansome and Battery,
SAN FRANCISCO

MANUFACTURERS AND DEALERS IN

Printing, Hardware, Manilla, and Straw Papers.

PAPER BAGS, TWINE, ETC.

Depot of the Pioneer
—AND—
EAGLE PAPER MILLS.

48 19

Australia and New Zealand!

IMPORTANT INFORMATION.

Just Received at this Office

CLARKE'S

ILLUSTRATED QUEENSLAND ANNUAL.

Containing valuable information relative to that great and wealthy section of country, and of importance to our Merchants, especially to all who do business with that country.

OUR GENTLEMEN'S OUTFIT CASE, Contains 1 Combination Pocketknife, Pencil, Pen, Rubber Eraser and Knife, Price 25 cents; 1 Combination Match Safe, Stamp Holder and Pin Cushion, price 25 cents; 1 Fine Linen Drawing Case, containing 3 Pens, Cigar Holder, Cigarette Holder, set of Cuff Buttons, Collar Button and Studs, price 50 cents. The whole packed securely in a wire case and mailed to any address, postage paid, on receipt of 40 cents in stamps.

Liberal inducements to Agents.

A. S. SPENCE & CO.,
24 Geary St., San Francisco.

THE

Queensland Almanac.

LAW CALENDER AND DIRECTORY FOR 1879,

For Brisbane, Queensland.

TWENTY-FIRST YEAR OF PUBLICATION.

A complete Directory of all the Interests of Queensland—A valuable work of over 500 pages.

Price, $1.50 Mailed.

For sale at THE CALIFORNIA FARMER Office, Warren & Co. Agents for Publishers.

CHANCE FOR AN ACTIVE MERCHANT.

A GRAND OPPORTUNITY WILL BE OFFERED TO an active business man with a cash capital of $10,000, to step into a good and lucrative business, already under good headway and profitable. The owners declining health requires him to go East, and therefore desires to sell. This is an unusual chance for a good and reliable man to make a fortune in a few years—an opportunity very rarely offered.

Address, "Q. W.," CALIFORNIA FARMER OFFICE.

EUCALYPTUS TESTIMONIAL.

BETTER THAN QUININE IN FEVERS.

Extract from a letter from the Rev. George Brown, of New Brittain, to David Clarke, Chemist, Warwick, Queensland:

DAVID CLARKE—*Dear Sir.*

"During the last sickly season, as it has been one of unusual severity, nearly every foreigner and nearly every member of our Mission has been down with Fever, which was either the Bilious Remittent Fever or Intermittent Fever, in most cases assuming the former type. I found your Pills very useful indeed, and both the Teachers and Natives thoroughly believe in them. * * * * I have found your Eucalyptus Extract very useful as a tonic after the first violent symptoms of the fever has been subdued, and in one case lately it seemed to do good when I could not succeed with tonic doses of Quinine. I mean to try it fairly in one or two cases when I can see it administered regularly myself. * * With kind regards, I am Dear Sir,

Yours truly, GEORGE BROWN."

DEERE & COMPANY,

MANUFACTURERS OF THE

JOHN DEERE MOLINE PLOWS.

MOLINE PLOW WORKS.

11-INCH STUBBLE PLOW.

THE WORLD'S FIRST PRIZE AT THE VIENNA EXPOSITION IN 1873.

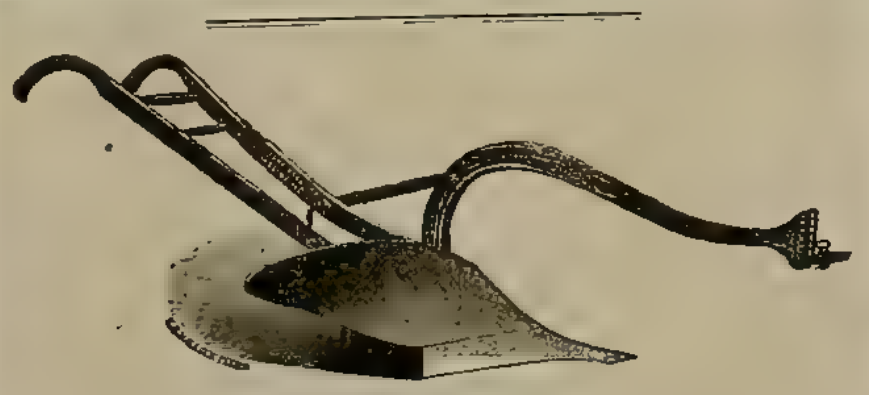
The points sought for in plows are steadiness of run, ease of draft, perfect work, and durability—and these important considerations we think we have secured to our plows. This was so decided by the Committee at the Great Vienna Exposition, who awarded the prize to our plows.

THE DEERE GANG PLOW.

Its ingenious construction and simplicity are shown in the fact that by *one lever* it is operated to any required depth. Opens up the first furrow and finishes the land by simply *moving the lever* from one notch to another, the plows maintaining a level position at all depths; and by pressing the same lever outward until it locks into a lug on the hub, the plows are carried clear of the ground by a half revolution of the wheel.

Its strength and durability are shown by merely stating that it is all *iron and steel*; and although there are many lower priced Gangs than ours, its cheapness is demonstrated by its greater durability and superior adaptation to the purpose for which it is designed. The DEERE GANG has an advantage over others, also in its lightness of draft, as has been proved in many dynamometer tests and the many farmers having them in use have become satisfied, by comparative *team tests*, that no draft is added by the weight of frame and driver, and this is accounted for by the well known fact that a heavy load can be carried on wheels easier than a lighter one can be dragged on the ground.

The principle on which the DEERE GANG is constructed is such that the tendency of the plows to run at greater than the required depth is arrested by *the lever*, and the weight of plows and earth upon them, as well as that of the frame, is transferred to and carried by the wheels.



IRON BEAM PLOW.

The stickiest soil will not adhere to the working surface and more and better work can be accomplished with them each day, with ease to team and plowman, than with the plows of any other make.

They have been awarded the highest prizes ever offered in the country on plows, and have successfully carried off the prizes offered by the agricultural societies of the different Western States, and last season was awarded the GRAND PRIZE in field trial at the PARIS EXPOSITION, besides many prizes at other European trials of lesser note.

DEERE & COMPANY,

MOLINE, ILLINOIS, U. S. A.

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

Full Directions for Use Accompany every Box.

CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

Clarke's

LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury* or *other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1878.

To MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed *good health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON.

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 23, 1874.

To MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)

JOHN GREEN,
Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus:

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir:*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,

GALEN CLARK,
Commissionor Yosemite Valley.

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, coming from so high a source, we feel it a duty we owe to the public to give it the following letter:

SANTA CLARA, SANTA CLARA COLLEGE.

COL. WARREN—*Dear Sir:*

Heretofore we have had no occasion of trying the Eucalyptus Medicines, in Pills or Liquids, but we have commenced to use them, and we find them very beneficial; some of our Fathers find a great relief in their complaints; the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare. Yours respectfully,

A. CICHI, S. J.

At later date we received the following, another proof of the virtue of this Medicine:

The Pills we find to be a mild and beneficial cathartic. The Liquid Extract is a valuable Blood Purifier and a good appetizer. A. CICHI, S. J.

The above from Prof. Cichi, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedial.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you Davis Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY

David Clarke.

Manufacturing and Wholesale Chemist,
AT HIS LABORATORY,
Warwick, Queensland.

FOR SALE BY

WARREN & CO.,

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Home Miscellany.

"There is no place like home.
Home! It should be Heaven on Earth

SLACK A LITTLE.

BY H. HAMLIN.

Slack a little! Slack a little,
Darling wife!
Why such breathless haste and hurry
All thy life?
Slack the vigor of thy striving;
Ere too late
Tell those monsters, Care and Labor,
Just to wait.

Slack a little! Slack a little,
Busy hand!
Slack thy rubbing and thy scrubbing:
Drop the sand.
Minister thy blessings slowly,
And the longer
Bind love's thousand precious tendrils
All the stronger.

Slack a little! Slack a little,
Weary feet!
'Tis a thorny road ye're treading,
Death to greet.
Slack your quick and fearless stepping,
Spare your strength;
Ye the golden streets of Heaven
Shall tread at length.

Slack a little! Slack a little,
Precious heart!
Slack the fever of thy throbbing
Lest we part.
Thrill not thus with every sorrow,
Anxious ever,
Trembling like an angel lyre
Forever
Strung for high and holy pleasures,
Slack thy sorrow;
Heaven may wake those rapturous measures
Perhaps to-morrow.

Slack a little, Time—how fleeting!—
Slack thy wing
To my heart's long cherished treasure
Let me cling.
Go to Mirth, and from his chalice
Take thy pleasure.
Pilfer Wealth, and from his palace
Take his treasure.
Why such haste my night to bring?
Slack, oh Time, thy scythe and wing.

Slack a little! Slack a little,
Death, oh Death!
See! she fears not thy approaching,
Then hast no sting.
Clasp her! in thy cold embracing
She will sing.
Slack, oh Death! How sure thy loss!
Thou wast conquered on the cross.

—*Christian Union.*

BIRD SONGS.

BY LAURETTE E. PRATT

A brown-eyed maiden walked alone
Down the orchard path in early June,
With apple blossoms about her blown,
And a bobolink singing his merry tune—
"Chink a chee chee—think I can't see?
Your's going down to the sycamore tree,
That's what you'll do. Chidill-wink-chee."

A deeper flush on the soft cheek came,
As the bright eyes saw, in the sycamore shade,
A manly form on the green sward lain,
A taking his noonings—that's what he said,
But the bird laughed out in his frolicsome glee:
"It's half a mile from the hay field! See?
And he comes here for a word with the;
I know a thing or two—Chidill-wink-che."

How soon the brief hour passed away—
He helped her over the broken wall;
'Twas very little they had to say,
And the wild voiced bobolink heard it all,
And mocked and jeered them—"Chink a chee chee;
Cowardly creatures you two be—
Don't dare kiss, lest I should see."

The grey-slippered twilight came over the land;
The young farmer said, with a weary sigh,
"I dare not hope for my darling's hand;"
When—was it an angel made reply?
"Whip-poor-will!—Hope if you will!"
And a glory dawned on life's troubled sky.

The brown-eyed maiden sadly bore
Her brimming pails from the milking shed,
And murmured a dear name o'er and o'er.
"I am sure he loves me well," she said,
"But he never, never will tell me so"
Then the sweet-voiced night bird answered low,
"Whip-poor-will! Oh, yes he will"—
And life for her took a rosier glow.

Next morn, when Robert O'Lincoln came
To see how his bashful lovers throve,
He found them down in the sycamore shade
Murmuring and listening a tale of love,
And loud he carolled, "Chink-a-chee-chee,
You're doing bravely. Oh, I see;
Kiss her again, and don't mind me—
I won't mention it—Chidill-wink-chee."

The mischievous elves! why don't you see?
They were planning a wedding—Oh, dear me.

—*Moore's Rural Life*

Modern Female Dress.

This is how Mary Kyle Dallas, the authoress, says it feels:—"Take a man and pin three or four large tablecloths about him, fastened back with elastic and looped up with ribbons; drag all his own hair to the middle of his head and tie it tight, and hairpin on about five pounds of other hair and a big bow of ribbon. Keep the front locks on pins all night and let them tickle his eyes all day; pinch his waist into a corset; give him gloves a size too small, shoes ditto, and a hat that will not stay on without a torturing elastic, and a frill to tickle his chin, and a little lace veil to blind his eyes when he goes out to walk, and he will know what woman's dress is." My!

"Is that marble" said a gentleman, pointing to a bust of Kentucky's great statesman, recently in a New York store. "No, sir; that is Clay," replied the dealer.

TWO HANDS.

NEITHER OF THEM A LEFT ONE.

Man is an animal composed of body and mind, body predominating; and that far more than strikes men of letters; for these live much among a select few, who cultivate understanding night and day.

Mind, on a large scale, is seen at its best in what, comparing them with the past, we call civilized nations. Then let us take England as a tolerable sample of current civilization, and look below its surface. The heart of every civilized nation lies in its pocket. To know its real mind you must first turn a deaf ear to every word of sonorous sentiment it delivers, and then note how it spends its money. Barbarous nations have no money.

Now, the vital food of a civilized mind is printed matter; of a civilized body is meal, meat, vegetables and water; and these are the great expenses of every nation. Clothing to suit the climate is also a necessity of civilized man.

But, even when those urgent and natural needs have been satisfied, how unequal at the present stage of civilization is the outlay upon mind and body! Ten times as much money goes in adulterated spirits—a hurtful luxury of the body—as in printed matter, a necessary of the mind. A million houses do not buy a journal (sixpence per week), yet spend a shilling every day in gin. What am I saying? Why, Englishmen spend twice as much in the mere tax on tobacco as they do in all the books and newspapers. Yet the newspaper, when it has fed the mind, has still some value as matter, being as much paper as a man can buy retail for three farthings, and he bought the journal retail for a penny.

As for our civilized women, they spend next to none of their own money in mental food. They are, as a sex, economical and even parsimonious, till they pass a draper's, and then exit economy and enter the worst waste. On to their backs go to their incomes, and even in needless and ugly additions to their clothing; and in distorting their ears—those perfect shells—with ear-rings, and crushing their vitals with corsets that redden their noses and disease their bodies; and in dyes that turn their hair, and piles of dead hair that rub the live hair off their skulls, in which no foresight lies; they spend, without exaggeration, a hundred times more money than they do in printed matter, which is the vital food and wholesome nutriment of the civilized mind, whether male or female.

Were the learned Universities to vie in poetry or philosophic disputation upon Barnes Bridge, would any ten cockneys leave Bishopsgate street for that? But let nine muscular muses from the Cam compete with nine more from the Isis in rowing and steering, and behold both banks of the river thick and black with men, and blue with women. For why? The competition of those learned souls is bodily.

I am not here to bay at the moon; nor to howl at her intellectual satellite, the world. I cannot change the current value of mind and body in half civilized nations. All I say is, then let us be consistent—if the body is nine parts of the human being, let us cultivate it with all our little souls; don't let so inconsiderable a fragment of our entity as the mind surprise our sacred bodies in poor defenseless childhood, and with more mental prejudices, and inaccuracies of language, set on credulous women to deteriorate those tender, delicate bodies, and make us lop handed and one armed, or nearly, before we know where we are.

No, sir; it is time that improbable assertions and barefaced prejudices, which rest upon mere repetition, should be thrown into the crucible of experience along with the conjectures of the day. If they stand that test, hats off to them, since they are old, yet not silly. If they cannot stand that test, why, then, they are lies; and the older any lie is the more honor to the man who kills it.

In a word, I believe that "The Coming Man" is the "Either handed Man;" that is to say, neither "right-handed" nor "left-handed," but a man rescued in time from parroted mothers, cuckoo nurses and starling nurserymaids, with their Pagan nursery rhymes and their Pagan prejudices against the left hand—in short, a man as perfect in his limbs as his Creator intended, who has been a deal kinder to man than man has been to himself; for it is all man's own doing that he is any more semi-plegiac or lop limbed than a lion, a racoon, a fox, a tiger or an ape.

Facts should always be faced. The champion of truth neither shirks nor succumbs. Either he lets hostile facts convert him, or he meets them with more facts, and weightier. The same with arguments; to misstate, or even understate, an opponent's case is the practice of the many respectable rogues controversy breeds; but it is more cunning than wise; for these are the known arts of falsehood, and truth gains nothing by them. Truth can state the other side fairly, yet still prevails, since, to put it in Shakspeare's words,

Good reasons must perforce give place to better.

Proceeding on this method, I must begin with a true statement, and an imposing one, against myself.

There certainly is, among mankind, a vast weight of opinion against my position that man is, by nature, as either handed as an ape, and that custom ought to follow nature. The majority believe the left arm and hand inferior to the right in three things—power, dexterity and dignity—nor is this notion either old-fashioned or new fangled; it is many thousand years old, and comes down, by unbroken descent, to the present day. I will venture on a loose sketch of its history.

It has never existed among rank barbarisms, it is not indicated in the genuine flint instruments, but only in those which modern dexterity plants in old strata to delight and defraud antiquarians; and the few primitive barbarians that now remain living relics of the stone age use both arms indifferently. But the higher savages use the right limb most, though not so extravagantly as we do. The preference seems to have arisen about the time when man began to multiply in favorite localities, and, getting jostled, set himself to kill his fellows wholesale. This soon led to the shield, a weapon man the hunter never invented; for it is no use either in killing deer or fighting leopards and bears. Savage warriors would seem to have generally devoted the left arm to defense with the shield—for a reason I shall give by and by—and the right to attack with spear or sword. In accordance with this the Cymric word for the right side is "goggled," or the sword side, and "aswry," the left side, is literally the shield side. The Greeks also called the right side the spear side, and the left side the shield side. Words so primitive, wherever found, betray the infancy of spoken language.

These neutral and antique words were followed, probably at a great interval of time, by terms glorifying the right hand and depreciating the left.

The learned Dr. Meyer finds adjectives of this character in the Turanian and Semitic languages and their European derivatives, as well as in the Arian dialects. Example: "The right side is called in one old dialect "labba roka" or the better one in Hungarian, "job kat;" in the Sanscrit, "dakshas." Hence the Latin "dexter," the German, "recht," English "right," French "droit," with their numerous derivatives, "reichts," "gerichts," "droiture," "righteous," "righteousness" are all eulogistic; whereas the left hand in words of equal antiquity is called "windische" or unstable "wendische hand" the unfree hand (incumbered with the shield?); in Gothic, "ibuks," and other terms implying the oblique or crooked, perverted, or wrong. If the English word "left" does not come from "leevus" it is itself a strong term of depreciation, and the chances are it was here many centuries before the Romans. In Hungarian the left is called "bal," or the defective hand, and in Estnish is even stigmatised as "lempoka," or the wicked hand. (See Meyer, "Rechts and Links.") To these your own Oriental lore could doubtless supply additions.

I confine myself to those few examples for the present, because they are believed to be older than written language, and I am trying to go down the ladder.

Assyrian and Egyptian sculptures in relief, more recent, probably, than most of the above words, but older than written language, reveal a moderate preference for the right hand. Pagan customs and traditions accord. The Hindoos and many other Oriental nations, from time immemorial have performed certain ignoble ablutions at peep of day with their left hands, and for that or other reasons, have declined to touch meat except with their right.

From Assyrian and Egyptian sculptures the next step, though a wide one, is the earliest of the Hebrew writers. These accept the Pagan theory, but with a certain moderation not found elsewhere, either in ancient or modern times. To begin with their phrases—these do not run down the left hand. This Syrian tribe took their words signifying right and left from some Pagan ancestors, who worshipped the rising sun, and watched his course. This is transparent; for their work "Kedim" means in front or east; "Achor" means behind, or west; "Jamin" right hand, or south, and "Shemel," left hand, or north. (See Cruden on the word "Hand.")

Thus their phases are neutral and decent, but their facts show the right hand superior in dignity. In the bare sketch of events from Adam to the special history of Israel there is no opportunity for this to appear, but it comes out as soon as the narrative, dealing with more recent and vivid tradition, enters into minor details.

Rachel, dying in travail, called her new born child "the son of my sorrow;" but Job rejected this name, and called him the son of my right hand (Benjamin.) (Genesis. xxxv., 81.)

Joseph brought his two sons to Jacob for his blessing, and the incident, as related, is a picture. Manasseh being the elder and Ephraim the younger, Joseph presented the children to his father thus—Manasseh in his left hand, opposite Jacob's right hand, and Ephraim in his right hand, opposite Jacob's left. But to his surprise, Jacob put out his hands crossways, so that his right hand fell on Ephraim and his left on Manasseh. "and this" says the writer, "he did purposely; but Joseph, thinking it was an error, tried to shift his father's hands, and said, "Not so, my father; for this is the first born; put thy right hand on him." But his father refused, and said, "I know it, my son; I know it; and he persisted in blessing the younger above the elder, and therefore kept the superior hand upon Ephraim's head."

In Deuteronomy Moses describes the Law as having come from God's right hand.

In sacrificing a ram Moses directed that the priest's right ear, right thumb, and right toe should be anointed with the blood. [Exodus xxiv. 20].

To go for a moment to a much later period, Solomon, granting an audience to his mother, descended from his throne, bowed to her with profound respect, and ordered her a seat on his right hand. [I King ii., 19.]

In Exodus xv., 6-12, and in nearly all the sacred books, especially the Psalms, the right hand of God is lauded, and His left is never mentioned in the Hebrew Scripture.

Such was the superior dignity of the right hand in Ancient Israel, derived from Syrian traditions; but, as to the modern theory of muscular superiority, that is not indicated, but rather contradicted; nor is there a direct slur cast upon the left, as there is by the heathens and by us, their too docile pupils.

In Homer we get the Pagan notion unmitigated. His heroes salute with the right hand, and they all turn to the right at the devotions. Jove thunders to the right. And in this poem we find something more that the Hebrews did not receive—viz., that the left hand is unlucky, and so potent that it diffuses ill luck as far as the eye can see. This Polydamas took fright at the omen of an eagle which soared with a serpent in its clutches, received a bite, and dropping its prey, flew away on the left of the Trojan host.

This superstition about the left hand was in the human mind long before Homer, and it has survived him 3,000 years. It grew and expanded in Greece, and became a principal element in all their omens and auguries.

The Romans fell into it thoroughly. Woe to the man on whose left hand a raven croaked or flew when he went forth to the war or travel; and, indeed, in classical literature the supposed unluckiness of the left hand is the main feature of that vilified limb. Of this a thousand examples will occur to every scholar, and I am sure the learned will thank me for sparing them superfluous school boy quotations in re.

The Latin word "sinister" (left) was innocent in itself; it means the arm that is attached to the "sinus" or bosom. I suspect it was coined after they had discovered the heart lay on the left side. But, though "sinister" was an honorable term, or a neutral one, at first, the prevailing sentiment soon blackened it, and it came into conquered Gaul with a vile character, which it holds to this day in France and England. Both these nations, nowadays, use "sinister" only to mean unlucky, or full of bad designs. Shakspeare applies it once or twice in its original sense of the left hand, but since his day we have gradually fallen into the French way. Though "sinistre" no longer means the left hand in France, that unlucky limb does not escape vilification. It is called "gauche," which word means indifferently left hand or clumsy. "Gauche" is said to be a word imposed by the conquering Franks, and to be "manus Gallica," or "the Gaul's hand," as opposed to "main Franche," or "the Frank's hand;" and from this word of contempt, "gauche," the Spaniards have taken "gauchi," the English "a gawky," and the Scotch "a gowk." The Italians, not to fall behind other civilization nations in vilifying the left hand, call it "mano-manca," or a failure, "mano-stanca," or a helpless hand; the Spanish, "man zurda," or seneca," which is also uncomplimentary.

On the other hand, "dexterite" (French), "dexterous" and dexterity (English, are from "dexter" and eulogistic. This laudation of the right hand as good and skillful, and depreciation of the left as useless, clumsy, perverted and unlucky, has flowed into Germany, France and England by two separate streams—one crossing the Continent many thousand years ago from east to west, another coming northward far more recently with the Roman conquerors. Both streams came alike from the East; only one came as the crow flies, and the other round by Greece and Rome. Probably the two streams met in the French word "adroit," skillful, and "maladroit," clumsy, where the prefix is Latin; but "droit" is the same word as the German "recht" and the English "right," whence "righteous," "righteousness," etc.

Words at first follow ideas, and are the current signs of those ideas; but by and by they react upon the mind, and tend, by mere reiteration, to keep alive the ideas that gave them birth. These two streams of language are supported by custom and sentiment. Friends grasp each other by the right hand. It is almost an offense to offer the left. In Germany, France and Scotland the right hand must be lifted to God in the witness box. In Germany to this day humble folk cut up their meat with their right hand, then lay down the knife, and take the fork in their hand to eat. This comes straight from the East.

In the German ceremony of a morganatic marriage something important is done with the left hand that in other weddings is done with the right. The English have got scent of this, and call a sham marriage a left handed marriage. One of Walter Scott's characters calls an illegitimate child "a child born on the left side of the blanket." Bastardy is marked in heraldry, French and English, by the bar sinister, or left handed bar.

Impregnated with all these traditions, young mothers and nurses check infants, with superstitious horror, in the use of the left hand—which, *nota bene*, the poor little victims invariably attempt—and do their best to make a pagan tradition an immortal truth, and keep mankind one handed, and right handed.

Finally, certain German physicians, assuming too hastily that so general a practice must be founded, not in custom but in nature, have set themselves to find the anatomical cause of the assumed fact, and think they have found it in the balance of the viscera, which are generally four or five pounds heavier on the right side than on the left.

This is the case I have to contend with as a friend of mankind; and if men will listen to logic half as patiently as they do to bosh, and then use their own good sense, it will be a good thing for them, and a better for their children.—CHARLES READE, in *The Brooklyn Daily Eagle.*

GRAND TRIUMPH FOR EUCALYPTUS.

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This Testimonial comes from a prominent Merchant of this City, whose name is with us for reference for all who suffer and would be relieved.

SAN FRANCISCO, April 7, 1870.

EDITOR CALIFORNIA FARMER—*Dear Sir*

Some time ago I had the misfortune to sustain a dislocation of the shoulder received from a fall, and while I was suffering the most acute pain as the effect of it, so much so as to be deprived of my sleep nights, I met my old friend, Col. Warren, who presented me with a bottle of "Eucalyptus Oil" saying as he did so, "try it." "bathe the shoulder and arm well, and on retiring saturate a cloth with the oil, and bind it to your shoulder, and you will have no more sleepless nights on account of pain from that." I followed the Colonel's directions, and must say that the Eucalyptus Oil will do all that is claimed for it as an alleviator of pain (rheumatic and otherwise) and more too.

A preparation made from the Eucalyptus Trees, by frequent ablutions of the eyes will restore weak eyes to strong ones and positively restore the sight as good as ever to people whose eyes are failing, if they will keep their body in good condition by the use of Eucalyptus Pills—while using the eye wash.

Yours truly, G. H. B.

N. B.—There are many compounds made in this State, yet however good, the *genuine* Remedials are those prepared by David Clarke, Warwick, Australia, for sale by Warren & Co., Agents.

"And you have married a Mr. Penny," said a gentleman to a lady of his acquaintance. "No, Mr. Pence." "Ah you you have done better than I thought."

A SOFT ANSWER.

The husband was of quick temper and often inconsiderate. They had not been married a year when one day, in a fit of hasty wrath, he said to his wife:

"I want no correction from you. If you are not satisfied with my conduct, you can return to your home whence I took you, and find happiness with your kind."

"If I leave you, returned the unhappy wife, will you give me back that which I brought to you?"

"Every dollar. I covet not your wealth, you shall have it all back."

"Ah," she answered, I mean not the wealth of gold. I thought not of dross. I mean my maiden heart—my first and only love—my buoyant hopes, and the promised blessings of my womanhood. Can you give these to me?"

A moment of thought—of convulsion—and then taking her to his arms.

"No, no, my wife, I can not do that, but I will do more; I will keep them henceforth unsullied and unpained. I cherish your blessings as my own; and never again, God helping me, will I forget the pledge I gave at the holy altar when you gave your peace and happiness to my keeping."

How true it is that a soft answer turneth away wrath; and how many, oh, how many of the bitter strifes of life might be avoided by remembering and acting in accordance therewith.

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Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course.

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Board, Washing, Tuition in all branches, Washing and Mending of Linen, School Stationary, Medical attendance and Medicine, Baths, etc., per session of ten months.....$250.00

For further particulars apply to the President of Santa Clara College, or to St. Ignatius College, 841 Market Street, San Francisco

34-1 REV. A. BRUNENGO, S. J., President

Miscellany.

Gatherings along the way side,
Floating gems by every tide.

AMERICAN FORESTS.

The following are extracts from a paper on this subject in *Harper's Monthly* for August, 1878, by Geo. May Powell, chairman of the American Institute Forest Committee:

"Of a desolation recorded far back of eye the days of Grecian glory: 'A man was famous according as he had lifted up axes on thick trees.' In the days when American forests were practically limitless, our fathers, were far too famous for lifting up axes on the trees. Truting to what seemed employment, skilled laborers have made their homes where the streams appeared permanent. Then as the summers came and went, the rivers grew more and more feeble till the spindles were silent. Then the flood turns that stream to a demon of destruction. The cause of all this was that the sources of the river's life have been injured or destroyed by men who lifted up axes on the thick trees far up the mountain where the mill streams have their birth.

"Next to production in importance, is the question of transportation as involved in navigation. Less than a quarter of the traction is needed to move a ton afloat, that is needed to move it by rail.

"Many of the streams constituting Brittain's inland navigation are so small as to be spoken of as 'brooks' in the Parliamentary acts giving rights to companies to use them. One of these combined canal and rivers course takes freight at the southwest of England at the Severn; up historic little Avon; across Wiltshire to the Thames, and down to London. All this will be so improved on that in a few years the speed between steam canal boats and that of the average freight train will be materially reduced. Brittain's inland transport lines, thus exceed the length of her rail lines.

"Agriculture does not need sacrifice of trees, to save streams for navigation or manufactures. The identical conditions of rain or dew fall needed by either is needed for all. Seasons seldom pass in which farmers would not have from one to three-fourths added to their yield by a more equal distribution of the rainfall. High culture proves an acre properly watered, may yield as much as seven or more treated in the usual way.

Single trees have been burned in America in log heaps, which, cut into veneers would sell for more nett cash, than the whole farm where it grew. When our forests are as well treated as those of Europe, few trees wil be cut except by advice of a forest engineer."

WADE HAMPTON'S OAT.

Tom is a Maltese, and is a magnificent specimen of his kind. He measures exactly three feet from the tip of his nose to the tip of his tail, is fourteen inches high, weighs twelve pounds, and in all but disposition, looks every inch a dark young tiger. He has long been a member of the family, and contrary to all cat precedent, consented to accompany the Governor on the occasion of his removal from former residence to the one he now occupies. When the Governor was in health, Tom was his constant companion in his daily walks about the yard, and would occasionally accompany him on more extended rambles through the adjacent woods. It made but little difference to Tom that his master was sometimes mounted on such occasions. Nothing daunted he would trudge along at the horse's side for hours together, perfectly satisfied so long as he could "keep up," or even keep his kind master in sight.

The Governor's election to office was a serious blow to his queer follower, as it involved a daily separation which was eminently distasteful to him; but, like the sensible animal he is, he finally reconciled his own affections to the claim of public expediency, and contented himself each morning with escorting His Excellency to the gate, at some distance from the house, when he bid him a sad, if silent, good-by, and returned to the house until evening The Governor always observed as regular hours as possible in the discharge of his duties at the State House, and generally returned to his home at about the same time every evening. This regularity Tom seems to have remembered for his own benefit, as he proceeded to avail himself of it to the extent of hurrying back each afternoon a little before the appointed time to the gate, where he fever and anxiously remained to welcome his too-long absent friend on his return. When the Governor was brought home so severely injured, strict orders were given that he should see no visitors. In due time, however, Tom was allowed to enter the sick-room, where he was a sympathizing attendant to his kind friend.—*Charleston News and Courier.*

"The man who would steal a red hot stove," lives at Holly, Michigan. A few nights ago a telegraph operator at the depot in that city stepped out to get a bucket of coal, and on his return found that some one had stolen his stove.

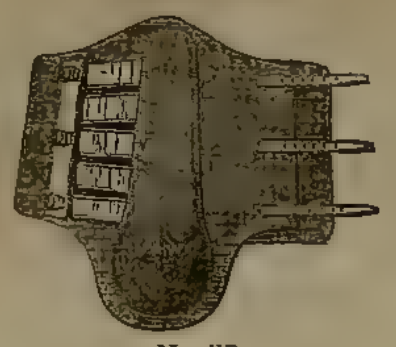
"Handle it carefully, Marier," said an economical citizen as his wife was jamming his old shirt into the rag bag. "That shirt represents capital! It may be turned into a million dollars worth of Butler's cheap rag money, when the old man fixes things, and capital should be treated with respect! Mr. Marier, don't sell it to the junk man! Lay it carefully away as possible fiat money!"

"I will preach from dat portion of de Scripture dis evening," said a colored dominie, "whar de 'Postle Paul pints his 'Pistle at the Phusians."

MAIN & WINCHESTER

Nos. 214 and 216 Battery Street,

SAN FRANCISCO.



No. 35.

ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47:20

SAN FRANCISCO CORDAGE CO.

ESTABLISHED 1856.

Have constantly on hand a full supply of all kinds of Manila and Sisal Rope—manufactured from the rons Fibres—and by the latest improved machinery. All our Manila Rope GUARANTEED.

HAY ROPE.

The special advantages of Rope for baling purposes, are the uses to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for Halters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when bated with Rope.

FOR SALE BY ALL DEALERS.

TUBES & CO.,
611 AND 613 FRONT STREET,
SAN FRANCISCO.

A GOOD PLAN.

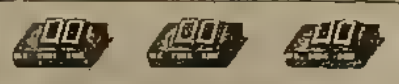
Anybody can learn to make money rapidly operating in Stocks, by the "Two Unerring Rules for Success," in Messrs. Lawrence & Co.'s new circular. The combination method, which this firm have made so successful, enables people with large or small means to reap all the benefits of largest capital and best skill. Thousands of orders, in various sums, are pooled into one vast amount and *co-operated* as a *mighty whole*, thus securing to each shareholder all the advantages of the largest operator. Immense profits are divided monthly. Any amount from $5 to $5,000, or more, can be used successfully. *N. Y. Baptist Weekly*, September 28, 1878, says, "By the combination system $15 would make $75, or 5 per cent.; $50 pays $350, or 7 per cent.; $100 makes $1,000, or 10 per cent on the stock, during the month, according to the market." *Frank Leslie's Illustrated Newspaper*, June 29: "The combination method of operating stocks is the most successful ever adopted." *New York Independent*, Sept. 12. "The combination system is founded upon correct business principles, and no person need be without an income while it is kept working by Messrs. Lawrence & Co." *Brooklyn Journal*, April 29: "Our editor made a net profit of $101.25 from $20 in one of Messrs. Lawrence & Co.'s combinations." New circular (mailed free) explains everything. Stocks and bonds wanted. Government bonds supplied. Lawrence & Co., Bankers, 57 Exchange Place, N. Y. 49:6

FARMERS AND BUILDERS

SHOULD USE

H.W. JOHNS' ASBESTOS

LIQUID PAINTS, ROOFING, BOILER COVERINGS, Steam Packing, Sheathings, Fire Proof Coatings, Cements. SEND FOR SAMPLES, ILLUSTRATED PAMPHLET AND PRICE LIST.
H.W. JOHNS M'F'G Co., 87 MAIDEN LANE, N.Y.
PACIFIC COAST BRANCH,
FRED H. PATRICK, Manager,
5 First Street, San Francisco.
49:5 3m



Farmers' Accounts.

WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer

A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to all—handsomely got up and finely bound Price, $2.50, worth ten times the cost. 45:21

$1 A BOTTLE

—FOR—

CLARKE'S EUCALYPTUS OIL, Sure Cure for Rheumatism.

For Sale at 320 Clay Street.

MILK, WINE, CIDER

All kept sweet indefinitely by arresting fermentation. Water—the fluid best—made pure and clear as crystal. Enough for ten barrels sent on receipt of "One Dollar." Agents wanted. Address ELSOM'S LABRATORY, Forestville, Chautauqua County, N. Y. 49:13

FAMILY FRUIT DRYER.

A VERY ECONOMICAL FRUIT DRYER AND ONE that can be used upon the COOKING RANGE in the family with very little care or attention easily managed, doing the work perfectly, the best and cheapest Dryer known, can be seen at the office of the CALIFORNIA FARMER 320 Clay Street.

TO INVENTORS AND MECHANICS.

Patents and how to obtain them. Pamphlet of 60 pages free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 31,
Washington, D. C.
48:19 tf

THE BEST WAGON ON WHEELS

IS MANUFACTURED BY

FISH BROS. & CO.,

RACINE, WIS.

WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

USING NOTHING BUT

First-Class Improved Machinery and the Very Best of Selected Timber,

AND BY A THOROUGH KNOWLEDGE OF THE BUSINESS, WE HAVE JUSTLY EARNED THE REPUTATION OF MAKING

"THE BEST WAGON ON WHEELS."

We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ——, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {Titus W. Fish, Edwin B. Fish, Jno. C. Hodgkin,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. Send for Prices and Terms, and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.

—OR—

GEO. A. DAVIS,

Manfacturers' Agent for Pacific Coast,

327 MARKET STREET,

48:17 **SAN FRANCISCO.**

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS

To all Parts of the United States.

J. F. FARNWORTH. - - - - - - - - - - M. T. BREWER.

NOW IS YOUR TIME TO ADVERTISE.

ADVERTISERS ABROAD AND AT HOME.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows:—All line advertisements will be ONE DOLLAR for Five Lines, or less, Nonpareil, *first insertion*; larger space, *Fifteen Cents per Line*, each subsequent insertion, *Ten Cents per Line*. This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $20.00.

For one-eight of a column, three months.. . . $15.00 | For one-half of a column, three months... . . . . 50.00
For one-quarter of a column, three months ... . 30.00 | For an entire column, three months 100.00

For a single month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable; the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rates.

WARREN & CO., Proprietors,

320 CLAY STREET, SAN FRANCISCO.

COMMISSION SALES-ROOM,

—AND—

Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their business.

Gardens and Grounds designed and put in order, and every article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

BOOKS---SEEDS---TREES

All rare and choice things can always be purchased as above.

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE,

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 5 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED.

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine **Patent Bee Hives** of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,

320 Clay Street,

SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Liniment for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Liniment is needed, as it has been proved to be the best Liniment known.

FOR SALE,

Wholesale and Retail,

WARREN & CO.,

320 Clay Street,

AGENTS FOR DAVID CLARKE'S REMEDIALS.

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill!*" this we cannot do without CASH, or a special understanding before hand.

WARREN & CO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, August 7, 1879.

Money and Exchange Tables.

Bar. on England, new style, long and short	4 83½ a 4 85
Gold, at par	— 1 00
Silver, at par, in sums of	— 1 00
Value of Greenbacks, equal to Gold	— 96 00
Value of Wheat in Liverpool	8s 6d a 8s 6d.
Value of Club Wheat in Liverpool	9s 0d a 9s10d.
Value of Wheat in New York, bushel	1 10 — 1 15
Brewers Barley in New York, bushel	80 — 1 00
Wool in New York	30 — 36

MONEY AND EXCHANGE TABLES.

The *Money Market* of our city and State shows large amounts in banks and in capitalists hands and while business men find it difficult to obtain money less than 9, 10 or 12 per cent, our city treasury find borrowers scarce at over 3 per cent, this is an enigma to many—to the reflecting mind it shows a loss of confidence in trade circles, and great fears about our city and State governments, there is no disguising the fact, that fear is on the mind of many for the future.

The silver question has much to do with money matters we give an article upon that question from the *Market Review* worthy note.

The rates for money is low everywhere, and vast accumulations at all monetary centres.

GRAIN AND FLOUR MARKET.

By a careful estimate made of the grain wanted by England, France, Spain, Italy, and other nations of Europe, the difference is about 300,000,000 bushels, while the supply of stock on hand and capacity for supply is 40,000,000 short of that need, but America can come in with more than 1,000,000,000 bushels of her new crop, and easily meet all wants, while we feel assured that the large crops everywhere this year will show so much larger than anticipated, that prices will rule low, and farmers better sell now.

The wheat market has not advanced of late, and the Chicago sales by the speculator Keene, and others, depressed values and low rates must rule.

The *Flour Market* is not active, although our flour now goes all over the world.

The *Barley*, *Oat* and *Corn markets* are all sloggish, wanting life.

The list of *Feedstuff* are tame in price and steady in demand as will be seen by our figures all through, for *Hay*, *Bran*, *Middlings*, *Ground Barley*, *Oil Cake Meal*, and *Corn Meal*.

The sweets of the bee business has gone, the crop of *Honey* will be little or nothing, and bee keepers are down in the mouth, and have "nothing sweet to tell," the crop will be only nominal if the bee keepers had only planted a few thousand acres of buckwheat, they would have saved their bees and had honey to sell—*Beeswax* is wanted at 25 cents for export.

The *Hop market* is flat! and hops that were worth 1, 2 and 3 cents are worth 6, 8 and 10 cents—and growers of the new crop have jumped high and talk of 15, 18 and 20 cents—well if our growers get encouraged we shall be very glad, for they have had hard times for two years.

The *Potato Market* is fully supplied, and prices rule low, very low—*Onions* are not so plenty and price a little higher

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 40 — 1 50
do Choice do.	1 60 — 1 65
do Milling do.	1 70 — 1 75
Barley, per 100 lbs., feed	60 — 77½
Barley, for brewing, (Chevalier)	1 50 — 1 75
Rye	70 — 80
Oats, California, per 100 lbs.	1 30 — 1 50
Corn, do. do.	70 — 75
Flour, Superfine, per bbl	4 00 — 4 25
do. Extra	4 25 — 4 50
Extra Flour for shipping	5 00 — 5 25
Very Extra Family Flour	5 25 — 5 75
Oregon Superfine	4 00 — 4 25
do. Extra for Shipping	4 75 — 5 25
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 20 — 1 40
Bran per ton	13 50 — 14 00
Middlings per ton	17 50 — 18 00
Ground Barley	18 50 — 20 00
Oil Cake Meal, for feed, per ton	— 34 00
Beans, per 100 lbs, various	1 75 — 2 50
Beans, Lima	5 50 — 6 50
Potatoes, common	— 25 — 30
Potatoes, choice	— 40 — 50
Early Rose	— 50 — 60
Sweet Potatoes	1 25 — 1 50
Onions, new	— 40 — 75
Hay per ton, ordinary	5 50 — 9 00
Hay per ton, extra	10 00 —11 00
Wheat Hay	11 00 — 13 50
Alfalfa Hay	—
Straw per ton	4 00 — 5 00

Retail Prices in the Fruit Market.

Our *Fruit market* is rapidly filling up and fruit becomes plenty and very cheap, rarely have we seen fruit so cheap—Peaches as low as 25 to 40 cents per basket, and choice and good too—Plums plenty and low—common Pears a drug 25 a basket—Blackberries never so low, selling at 10 to 12½ cents a drawer of 4 pounds, not enough to pay the bringing to market—Strawberries not fine but cheap Raspberries very fine and cheap Figs abundant and low Apples are very cheap and plenty.

Our Island fruits—Oranges, Lemons and Limes plenty, and Bananas and Pines now more reasonable.

Very fine Oranges now come from Australia and command a good price.

Apples, per box	25 — 75
do. do. lb	5 — 6
Pears, per box	75 — 1 00
" per lb	6 — 8
Figs, dried, per lb	12 — 15
Fresh Figs, per lb	8 — 10
Tahiti Oranges, per doz	20 — 30
Lemons, imported, do.	30 — 50
Limes, do. do.	20 — 25
Pine Apples, each	50 — 1 00
Bananas, per bunch	2 50 — 4 00
California Oranges, per dozen	30 — 40
" Lemons, "	30 — 50
" Limes, "	15 — 25
Cherries	10 — 20
Strawberries	5 — 10
Raspberries	5 — 10
Currants	8 — 10
Gooseberries	10 — 12
Persimmon	20 — 25
California Walnuts, per pound	8 — 12
Almonds, hard shell, per pound	12 — 15
do. soft shell, do.	16 — 18
Foreign Pecan Nuts	12 — 15
Madeira Nuts	12 — 15
Foreign Brazil Nuts	15 — 20
Filberts	12 — 15
Chili Walnuts	7 — 10
Pea Nuts	8 — 10

Retail Price in the Vegetable Market.

Our *Vegetables Market* continues most excellently well supplied with every desirable kind of vegetable known in the culinary department, and with a very complete assortment of the best and freshest grown every day, our home wives should get up a good dinner

Never before has our markets been supplied with so complete an array, and never before were vegetables so cheap. every species of vegetables that is known to culture can be found in our markets of the best quality and at very low price, lovers of a good vegetable dinner can now be satisfied

Asparagus	6 — 8
Artichokes, (French) per doz	15 — 20
Tomatoes, per lb	5 — 8
Beets, per doz	— 25
Broccoli, each	8 — 10
Cauliflower	8 — 10
Cabbage, do.	8 — 10
Carrots, per doz	— 25
Celery do.	75 — 1 00
Celery Root per dozen	— 75
Cress, per dozen bunches	10 — 12
Cranberries, per gallon	60 50
Dried Herbs, per doz	30 40
Green Peas, per lb	4 — 5
Lettuce per doz bunches	12 — 12
Onions per lb	5 — 6
Horseradish, per lb	12 — 15
Okra, green, per lb	10 — 12
Okra, dried, per lb	— 50
Choice Potatoes	1½ — 2
New Potatoes	1½ — 2
Potatoes choice, per 100 lbs	1 50 — 1 50
Kidney Potatoes, per lb	2 — 3
Pumpkins	1½ — 3
Parsnips, per doz. bunches	20 — 30
Salsify, do. do.	15 — 20
Parsley, do. do.	40 — 50
Pickles, per gallon—	50 — 60
Radishes per doz. bunches	5 — 5
Rhubarb, per lb	5 — 5
Squash, Marrowfat	5 — 5
do. Hubbard	5 — 10
Lima, Dry	5 — 5
String Beans, per lb	5 — 5
Sponge per lb	4 — 5
Salsify, per bunch	5 — 10
Turnips, per doz	5 — 10
Garlic	15 — 20
Eschalot	5 — 10
Mushrooms	

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea. Our salmon beat the world for this choice fish—some extra fish are now in market.

Salmon have been selling in our markets as low as 25 to 50cts. for a whole salmon, and in Oregon they use salmon to manure their orchards—our markets are steady.

Salmon ₱ lb	4 — 6
do smoked new	6 — 8
do pickled, ₱ lb	6 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Halibut	20 — 25
Smelts, per lb	— 10
Perch do.	— 10
Rockfish do.	— 10
Codfish, dry, per lb	— 8
Herring, fresh, per lb	— 25
do smoked, ₱ doz	— 12
Tomcod, per lb.	— 10
Sardines, fresh, per lb	15 — 20
Solefish, per lb	— 25
Mackerel pickled, each	8 — 10
Shrimps, per lb	12 — 15
Flounders do.	20 — 25
Sea Bass do.	40 — 50
Halibut do.	3 — 4
Sturgeon do.	30 — 40
Turbot do.	2 50 — 3 00
Terrapin, ₱ doz	— 2 50
Pompono do.	— 25
King Fish do.	12 — 17
Anchovies do.	2 00 — 2 50
Frogs, per doz	

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market. Oysters are showing nice and fat and the public appetite now craves the delicious bivalve. Every day a grand show in our market—if you desire the choicest of these luxuries, go to Geo. Mayes in California Market—no change for weeks.

Oysters ₱ 100 choice	60 — 75
Chesapeake oysters per dozen	50 — 75
Crow Fish, per lb.	12 — 15
Clams per 100	— 50
Mussels do	— 25
Crabs, boiled, each	— 25
do. soft, per doz	— 50

Retail Meat Market.

The *Retail Meat market* furnishes all the choicest kinds at unusually low figures for this season of the year, and thus is an unusual fall market.

Porter House	15 — 18
Porter House, extra	18 — 20
Beef, tenderloin, per lb	15 — 18
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	5 — 10
do cutlet	12 — 16
Mutton chops, per lb., extra	10 — 12
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	10 — 12
Beef tongues, each	— 75
Pigs tongues, each	— 15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	13 — 15
Choice hams, Duffield	15 — 16
Whitaker, St. Louis, Mo	15 — 16

Poultry and Game Market.

The *Poultry market* is about even in demand and supply, about equal prices without material change.

There is quite a good display and a fair market only—Venison is not plenty, Rabbits, Hare and Squirrels plenty.

RETAIL PRICES.

Ducks tame each	75 — 90
Geese tame, per pair	2 00 — 2 50
Broilers	40 — 50
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	25 — 28
Pigeons, domestic, per doz	4 00 — 4 50
Hares each	25 — 38
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Venison	10 — 15

Poultry and Game—Wholesale.

Broilers, per doz	3 00 — 5 00
Large Chickens, per doz	6 00 — 7 00
Hens, per doz	6 00 — 7 00
Turkeys, dressed, per lb	18 — 22
Ducks, tame, per doz	5 50 — 7 00
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Rabbits, tame, per doz	1 50 — 1 75
Squirrels, per doz	75 — 1 00
Venison	5 — 8

Retail Dairy Market.

The *Dairy market* begins to advance in the price of fresh roll butter, gone up ten cents per pound for the choicest—as feed wanes butter advances, yet plenty of poor and common butter in market.

Butter, California, Extra Choice per lb	30 — 35
do. do. for (Cooking) do.	20 — 28
do. do. packed best roll	25 — 28
do. do. Eastern	20 — 28
California Eggs, per doz	30 — 35
Oregon	— 25
Duck Eggs, do.	— 20
Farralone Eggs, per doz	— 25
Cheese per lb	15 — 20
do. Sage, per lb	25 — 30
Eastern Cheese, do.	25 — 30
Lard, California, per lb	15 — 18
Lard, Eastern, do.	— 18
Honey, Comb	12 — 18
do. Strained	8 — 10
Vermont Maple Sugar, per lb	— 20

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb. (Fresh)	22 — 25
do. Packed Roll, do.	20 — 22
Eastern Butter	16 — 18
Cheese, California, per lb	10 — 13
California Eggs, per doz.	28 — 30
Eastern Eggs, per doz	14 — 20
Duck Eggs, "	22 — 25
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	13 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging Market* has been under considerable excitement for some two weeks, holders having been combining to make what is called "a ring" the combination that we have heretofore named would be, has now been formed, and our grain growers that are not supplied can now have the agreeable necessity of paying some 33½ per cent advance on bags, just as we warned them would be the result,—bags are now advanced from 8½, 8¾ to 11, 11½, and in less than two weeks will go to 12½, 13 or 14 cents, just as circumstances will warrant the grain growers now pay dearly for delays.

Hand Sewed Bags, Standard, 22x36 com. prices	11½ — 11½ cts.
Second Hand, Extra	9 — 9½ do
Machine sewed, 22x36	8½ — 9 do
do. do. 20x36	8½ do
Barley Bags, 21 x 40	10½ — 11 do
" " 24 x 30	11 — 11½ do
" " second hand	— 8½ do
Wool-sacks, new	45 — 50 do
do. second hand	30 40 do
Potatoe Gunnies, Double Sewed	14 — 15 do
do. do. Second Hand	10 — 10½ do
Flour Bags, quarters	4½ — 5 do
do. halfs, six qualities	7 — 9 do

Staple Home Products.

The *Home Products* of our State are telling upon our markets by a lessened importation, and we must keep our markets well supplied with the best raisins, figs, dried fruits, nuts, oranges, lemons, etc., we must grow and make the best, and supply all demands from abroad—the world is looking to us for a supply, and our markets begin to show it.

Flax Seed, per lb	2½ —
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	3 — 3½
Castor Oil No 1 Diamond in cases, per gallon	— 1 60
" " " barrels "	— 1 50
Castor Oil, No. 2 Diamond in cases per gallon	— 85
" " " barrels "	— 80
Linseed Oil, Boiled	— 78
do. Raw	— 75
Cocoa Oil	3 — 8
Hops, California	10 — 12½
Alfalfa	5 — 12½
Mustard Seed	4 — 6
English do.	2½ — 3½
Canary Seed	8 — 10
Coriander Seed	3 — 5
Broom Corn	23 — 25
Bees Wax	

California Leather Market Report.

The *Leather, Hides*, and *Tallow markets* show considerable more life, there is an export demand for hides and tallow but little for leather—better prospects ahead.

California Sole Leather	20 — 28
do. Harness do.	28 — 30
do. Skirtings,	30 — 37½
Bridle Leather	4½ — 6½
Rough do. Oak Tanned	18 — 22
Waxed Calf Skins	50 — 1 00
do. Kips do. per dozen	30 00 — 55 00
do. Leather per foot	13 — 15

Wool, Tallow, Hides, Etc.

The *Wool market* is now heavily stocked and sales slackened up, the rise a few weeks ago is not maintained, and prices are easier—speculators from the East who bought at high figures he ped our wool growers, and now our woolen mills can buy to a better advantage, and give some 3 to 5 cents per pound.

Wool, Spring Clip	18 — 20
do. Choice Extra	24 — 28
Fall Clip	16 — 18
Oregon Wool, per lb	25 — 28
Medium, bright	18 — 20
do. Burry	12 — 15
Goats' Wool (mohair)	30 — 75
Dry Hides, per lb	6 — 18
Green Salted, per lb	7 — 10
Deer Skins	80 1 00
Sheep Skins, wool on	25 — 75
do. do. plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	5 5½
Tallow, refined	7 — 8

Average Slaughtering Prices.

The *Wholesale Meat Market* is abundantly supplied but at low prices—the abundance of feed gives good meats, and at cheap rates.

Beef, American, 1st. quality	5 6¼ cts
do. do. 2d. do.	4 — 5 do.
do. do 3d. do.	3½ — 4 do.
do. do 4th. do.	4 — 7 do
Veal	3½ — 4½ do
Mutton	4 — 5 do
Lamb	3½ — 4½ do
Pork, Undressed	5 — 6 do
do. Dressed	

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED ACCOMMODATIONS for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU August 4th, and every fourth week thereafter.

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports; also, HAVANA and all WEST INDIES ports on 5th and 19th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

47:5

Central Pacific Railroad.

Notice to Shippers.

Please take notice that this Company will maintain, for transaction of business in Oakland, TWO STATIONS, viz:

MARKET STREET AND SIXTEENTH STREET

and to avoid delays we would request shippers to state on receipt, name of station to which freight should be delivered; as to the absence of same all consignments will be taken to Market Street.

J. A. ANTHONY, Agent.

SAN FRANCISCO, Jan. 13, 1879.

AUZERAIS HOUSE,

SANTA CLARA STREET,

SAN JOSE.

S. W. CHURCHILL, Proprietor.

Auzerais House Coach and Carriages always in Attendance on arrival of trains.

SEND THE FARMER ABROAD.

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and, its productions, to send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a JOURNAL as the CALIFORNIA FARMER. We know our JOURNAL is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the HOME CIRCLE everywhere, as a JOURNAL free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, SPECIAL PREMIUMS OF SEEDS are donated with the paper, to benefit our State.

DAIRY BREEDING CALENDAR

We invite Dairymen who desire a valuable "Dairy Breeding Calendar," containing very excellent items of great value to them, to call and examine the article named above—it is of but little expense, yet of great value.

CALIFORNIA FARMER OFFICE.

C. P. R. R

COMMENCING

SUNDAY, JUNE 6th, 1875,

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma. (Arrive 5:55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 5:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 8:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 9:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Caliente and Los Angeles Also at Niles with Train arriving at San Jose 8:55 P. M. (Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily. (Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND

"Daily"—7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M.; 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.

"Daily, except Sundays"—6:10 A. M. and 11:45 P. M.

"Sundays only" 10:30 and 11:30 A. M., 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4:00 5:00 6:00 and 10:30 P. M.

"Sundays only" 11:00 A. M., and 1:30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M.; 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—7:30, 8:30 and 9:30 A. M.; 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—6:30, 11:00 A. M. and 11:45

"Sundays only" 10:30, 11:30 A. M. and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:50 and 10:10 P. M.

"Daily, except Sundays" 5:10 and 5:50.

"Sundays only" 11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:05 and 9:00 A. M.; 3:00, 3:58, 5:00, 6:08 and 7:00 P. M.

"Daily, except Sundays" 6:00, 8:40, 11:30, A. M., and 1:30 P. M.

"Sundays only" 10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—6:55, 8:00 and 11:05 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M.; 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:30, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays"—6:20 A. M. and 1:50 P. M.

"Sundays only"—10:20 and 11:30 A. M.; 12:20, 1:20 and 1:35 P. M.

T. H. GOODMAN, General Passenger and Ticket Agent.

A. N. TOWNE, General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

SUMMER ARRANGEMENT.

Commencing Monday, April 21, 1879,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows:

8.20 A. M., *Daily* for San Jose and Way Stations. ☞Stages for Pescadero (via San Mateo) connect with this train only.

9.30 A. M. *Sundays only* for San Jose and Way Stations. Returning, leave San Jose at 6 P. M.

10.40 A. M *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Salinas, Soledad, and all Way Stations.

☞AT PAJARO the SANTA CRUZ, R. R. connects with this train for Aptos and Santa Cruz. At Salinas the M. & S. V. R. R. connects with this train for Monterey ☞Stage connections made with this train. (Pescadero Stages via SanMateo excepted.)

Parlor Car Attached to this Train.

(SEATS AT REDUCED RATES.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, Pajaro, Hollister, Tres Pinos and principal Way Stations.

☞On SATURDAYS only, commencing May 10th, the Santa Cruz R. R. will connect with this train at PAJARO for Aptos, Soquel and Santa Cruz. Returning, passengers leave Santa Cruz about 4:30 A. M. Mondays (breakfast at Gilroy), arriving at San Francisco at 10:00 A. M.

☞SPECIAL NOTICE—On SATURDAYS ONLY, commencing May 10th, the run of this train will be extended to SALINAS, connecting with the M. and S. V. R. R. for MONTEREY. Returning leaves Monterey MONDAYS (breakfast at Gilroy), arriving at San Francisco at 10:00 A. M.

3.30 P. M. *Sundays only* for San Jose and Way Stations.

4.26 P. M. *Daily Sundays excepted* for San Jose and Way Stations.

5.00 P. M. *Daily Sundays excepted* for Menlo Park and Way Stations.

6.30 P. M. *Daily* for Menlo Park and Way Stations.

Excursion Tickets at Reduced Rates

To San Jose and intermediate points, sold on Saturdays, and Sunday morning, good for return until following Monday inclusive, as follows

Baden	$0.50	Fair Oaks	$1.50
San Bruno	0.50	Menly Park	1 60
Millbrae	0.65	Mayfield	1.75
Oak Grove	0.90	Mountain View	2.00
San Mateo	1.10	Lawrences	2.25
Belmont	1.25	Santa Clara	2.50
Redwood	1.40	San Jose	2.50

Also, EXCURSION TICKETS to Aptos, Soquel, Santa Cruz and Monterey, sold on Saturdays only good for return until the following Monday inclusive.

SECOND-CLASS FARE.

Between San Francisco and San Jose, - - $1.00

☞A car with Sleeping Accommodations, constructed expressly for this travel is attached to Freight Trains, leaving San Francisco at 4.00 A. M., and San Jose at 8:30 P. M. (daily Sundays excepted).

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

☞Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 8:00 P. M. daily, and making close connection at GOSHEN for Sumner, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton, Colorado River and MARICOPA. (150 miles east from Yuma.)

25 NEW-YEAR CARDS, with name, 20c. 25 Extra Mixed, 10c. GEO. I. REED & Co., Nassau N. Y. 47:13

1854. 1879.

THE CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FOURTH year with 1878, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD to the AGRICULTURAL and HORTICULTURAL interests of enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on the Coast—this was at Sacramento in the year of 1852, and also the GRAND FAIR at San Francisco in 1858—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

THE CALIFORNIA FARMER was the first and only advocate of SILK CULTURE, TEA CULTURE, COFFEE CULTURE, COTTON CULTURE, and the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS and this was in early years when the masses lightly esteemed all such enterprises.

THE CALIFORNIA FARMER was the first and only advocate for the planting of the ALFALFA as a forage plant, and the first to introduce the seed and its culture, not not only this grass, but all other valuable grains and forage plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STONED WHEAT, of SUMMER FALLOW, of SUBSOILING, and of DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL—doctrines that have now, after long years of trial become the basis of true and successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE of AGRICULTURE, which such years of labor merit, the JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

The TERMS OF THE CALIFORNIA FARMER have been placed at a low price, should induce, as we trust it will, a generous addition to our LIST OF SUBSCRIBERS for the year of 1879.

Desirous of placing this old PIONEER AGRICULTURAL JOURNAL, (The only exclusive AGRICULTURAL JOURNAL of the Pacific Coast), before the people at so low a price all can have it, we make the following

Terms for the Year 1879.

And With Seed Premiums.

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Six Copies,	5 00
Ten Copies,	8 00
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California Farmer,

1879.

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We propose for the year of 1879 to offer to our Patrons the following valuable JOURNALS in connection with our own, all at reduced rates, so as to give them the best reading at low rate—(all postpaid). Price per year.

The FARMER and VICK'S MONTHLY MAGAZINE	$1 50
The FARMER and AMERICAN AGRICULTURIST	1 50
The FARMER and POULTRY JOURNAL	1 50
The FARMER and RURAL NEW-YORKER	3 00
The FARMER and PHRENOLOGICAL JOURNAL	2 50
The FARMER and AMERICAN BEE MAGAZINE	1 50
The FARMER and SCIENTIFIC AMERICAN	4 00
The FARMER and HARPER'S MONTHLY	4 00
The FARMER and HARPER'S WEEKLY	4 00
The FARMER and HARPER'S BAZAR	4 00
The FARMER and HARPER'S THREE WORKS	5 00

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CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, AUGUST 28, 1879. NO. 15.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES,

Published every Thursday Evening

BY WARREN & CO.

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DAVID CLARKE, Chemist, Warwick, Queensland.

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☞ Advertisements and Subscriptions are all payable in Advance.

☞ Our full Advertising Rates will be found on the SEVENTH PAGE.

All Letters on Editorial Matters to be addressed to COL. WARREN, Editor.

☞ All Letters on Business connected with the Office should be addressed to

WARREN & CO., Publishers.

EUROPEAN.

From our Special Correspondent.

PARIS, FRANCE, 1879.

TAXING THE PRODUCE.

Continental farmers seem to be absorbed in the question of taxing or not taxing, the agricultural produce of outsiders, the subject is perhaps warmer in France than in Belgium and Germany. Here the agricultural societies are divided on the question, but the majority evidently lean to placing entrance tariffs on wheat, live stock, and wools. The "high farmers" as a rule regard protection does as a delusion, and demand that all taxes which fetter the cheap transport of produce by rail or canal, and that augment the price of machinery, manures, food adjuncts, etc., entering the country be abolished or sensibly diminished, following the reciprocal concessions of other countries. French millers unquestionably prefer grain from the United States, and which this year has been purchased in New York at 16½ francs the hectolitre, equal to 2¾ bushels, or 154 pounds, the cost of transport is something over one-fifth more, or a total of 22½ franc. Now French farmers do not generally complain of 20 francs per hectolitre for their wheat. But in some regions of the country, the department of the Seine for example, the yield per acre of wheat is four times that in the Lower Alps, and double the return in the Seine-Inferieure and the Upper Rhine, the consequence of differences of climate and defective systems of cultivation. Before calling on Jupiter to put his shoulder to the wheel for them, French farmers ought to try the effect of greater enterprise in their mode of cultivation, throw more money into their business, till the soil deeper, purchase machines, and auxillary manures. But the small farmers are not wealthy, and French, like other banks, only lend to the rich.

The season is extremely unpropitious, the soil is saturated and cold, and the frost retards all vegetation, harvests of good quality, rather than quantity, are desired, for the lightness of French wheat and its poorness in flour are the drawbacks in presence of foreign grain. The Minister of Agriculture has instituted an exhaustive inquiry into the agronomical condition of France, extending over the last eighteen years, the results cannot but prove of general and practical interest. The same Minister has allocated 25,000 francs to M. Pasteur, to study the fermentation of wines, and the phylloxera, on his own property—where he has a private laboratory, in the Jura. Rest assured useful knowledge will follow M. Pasteur's investigations.

TEETH OF CATTLE, FEED, ETC.

Professor Sanson draws attention once more to the relation in the bovine race, between precocity and the development of teeth, when the latter are complete, the skeleton of the animal is achieved, the intervening period is called growth. About forty years ago from 4½ to 5 and even 6 years was the time required to fully develop the teeth, this period has been sensibly diminished by the tendencies towards precocious growth, which mean a truly close connection between the teeth-development and nutrition. As the breed of an animal, the robustness of its constitution, the work to which it may be subjected, and whether it be stall-fed or grazed, affect its precocity, so do these naturally re-act on the growth of the teeth. Also, as animals differ in appetite, the greater feeder becoming always the most precocious, so will the development of the teeth vary. M. Sanson proposes from these facts, that at agricultural shows cattle be classified—as is practiced in Switzerland—not following declarations of ages, open to suspicion, but by pairs of teeth; one pair, two, and three ditto. An experienced judge would have no difficulty in estimating the wear of the first or second pairs against the gums, only bearing in mind, that in the case of precocious animals, the enamel uses less rapidly.

ENSILAGE, PRESERVING GREEN FOOD.

In the department of the Somme, clover and beet pulp are largely trenched for cattle feeding; now green clover-species, red scarlet—when placed in the trench in an ordinary state, contains a greater total of nitrogen, than when similar clover is preserved in trenches after being dried. But in the latter case the nitrogen is more readily assimilable—hence a slight advantage in the forage previously dried in the air. The green fodder augments in nitrogen during the process of fermentation; the albuminous principles absorb atmospheric oxygen, give off carbonic acid, and those several gases of a very disagreeable odor—but not at all repulsive for the stock. In preserving clover, the aim ought not so much to be, to pack it as in the case of pulp, so much as to exclude the air by a good coating of earth, say a layer ten feet thick. Bury in a word the forage—keep the air out. The fermentation in trenches of clover and beet pulp differ, though both have protéic principles. The pulp however, has in addition sugar, which induces, when in contact with it, albuminous matters to produce *alcohol*, and other secondary products; later, the alcohol or vinious stage, becomes changed to the acetous or vinegar, and hence, owing to the sugar, why pulp presents a vinious odor and an acid flavor.

[CONTINUED IN OUR NEXT.]

RECEIVED AT READING ROOMS:

NATIONAL REPORTS.—We are indebted to Joseph Mimmoy, Esq., Chief of Bureau of Statistics for valuable reports from the Treasury Department, with full statistics of the imports, exports and immigration and navigation of the Nation, statistics of great importance, showing the rapid growth and prosperity of the United States, which are now more prosperous financially than any other Nation in the world; our Domestic Exports for nine months exceeding our Imports by the enormous sum of $214,463,173, thus enriching our Country at the rate of nearly THREE HUNDRED MILLION DOLLARS per year.

We have the reports of the Board of Agriculture of Illinois on the condition of the crops of that State, returned up to July 1, '79, a valuable document.

We have the reports of the Board of Agriculture of Georgia, a valuable statistical pamphlet on the condition of the crops of every county, thus showing the rapid growth of agriculture and increase of crops in that State—Georgia is making rapid advances in agriculture in the last few years.

We have received the weekly *Bulletin* of the Y. M. Christian Association, sketching the meetings and movements of the Society, and its general progress, now happily very prosperous.

FERTILIZERS.—We have received a very interesting pamphlet from the Board of Agriculture of Georgia with full analyses and statistics of the Commercial Fertilizers, inspected and admitted to us in that State.

ENSILAGE.—We have received a phamphlet upon "Ensilage" or the science of preserving green maize, etc., for food of stock, by J. B. Brown, Esq., of N. Y., a valuable Essay.

COMPLIMENTARY.—We have received a Complimentary Card of invitation for the coming State Fair at Sacramento, thanks to the Secretary, I. N. Hoag, Esq., the new Secretary.

We acknowledge also a Complimentary Card to the present Fair at the Mechanics' Institute, that opened Aug. 5th at the Pavilion.

We return thanks to Managers of the St. Vincent's Orphans' Asylum for a card to attend their Dedication Exercises, on the 23d, and hope it will be a successful Institution in caring for the Orphans.

The Secretary of California State Ag. Society sends us their Pamphlet with list of Premiums, Rules, Regulations, etc., for their coming Fair in September as seen in our "List of Fairs."

We have from Thos. P. Jones, Esq., the Pres. of National Agricultural Congress, the sketch of the Congress in Feb. last, and also announces the next Congress to be held at Rochester, Sept. 16, in this paper sent us, the President calls upon all the friends of agriculture to aid in making the coming Congress one of great interest to all concerned.

Written for THE CALIFORNIA FARMER.

CALIFORNIA.

BY M. E. H.

I

"Westward the course of Empire takes its way!"
So all the sages—all the prophets say.
Shall we, fair sons and daughters of the West,
Refuse to put this question to the test,
And, rallying all our forces to reply,
Send forth an answer that shall reach the sky?

II.

Shall California, rich in golden mines,
Be lacking in that part which far outshines
All else beside? Man's noble intellect,
The gift of God—which leads men to reflect,
To pause, to think, consider on their ways
And find out how best to improve their days.

III.

New England boasts her Howard and her Yale,
Which from their founding, ne'er were known to fail
In sending from their walls the great and true
Resolved to be—to dare—and then to do
All in their power to help their fellow men
By means of books, of science, and the pen.

IV.

'Tis *just*, that she should ever take the lead,
For, from the first in ev'ry thought and deed
She honored him, who scorning gold and pelf
Made it his highest aim to *know himself*,
And thus develop what within him lay
Of grandeur, loftiness, and mystery

V.

'Tis true our sister States look with disdain,
And say that all we seek for is but gain,
That we, alas! are grasped in *stocks* and *gold*;
Nor care we the mind's riches to unfold,
We'll prove it false, and likewise show to them
Though rough without, at least they'll find the gem.

VI.

It lies within our power just the same
To build for us an everlasting name.
And California's sons may yet be known
With those, who ever, by their voice and tone
Shall wield the scepter of a nation's power,
And stand through all, when e'er the dark clouds lower.

VII.

We've nothing lacking here, in this fair land,
Than which none other brighter yet can stand
Whose borders, washed by San Francisco Bay,
Across whose bosom fair, the sun's last ray
Seems lingering, to bid us all adieu
Before it leaves for climes and scenes anew.

VIII.

Sometimes he veils his head and seems to wait
Then burst resplendent through the Golden Gate
Lights up the clouds on Tamalpais high crest,
And seems to speak of glory and of rest.
Shines full on Oakland and th' adjacent plain,
And sinks to slumber in the West again.

IX.

But his last lingering ray is sure to fall
On the high dome of Berkeley's College Hall,
As if a blessing he would give to those
Who, 'neath its classic shades would find repose,
And there would seek, their minds to cultivate,
And make themselves *respected* if not *great*.

X.

On whom, if not on us, pray tell, will be
The burden of our Country's destiny?
We are the ones must keep her pure and free
And cherish next our hearts her liberty,
For God into our care all this has placed
For us to use, protect, and not to waste.

XI.

Her vessels sail upon the raging main,
Her vallies bend and wave with ripened grain,
Her mountains high are filled with golden ore,
While round her forest trees the wild birds soar,
And rivers wind along her fertile soil
Cheering and gladdening all her sons of toil.

XII.

True, lasting pride we feel, and well we may,
The envied nation of the world to-day!
Where e'er the Stars and Stripes their folds now wave
You'll find the homes of all the true and brave
From Maine to Florida, from the East to West,
All think this land the dearest and the best.

XIII.

Then let us ask our God who reigns above
And looks on all with pity and with love,
To help us use the means, whereby we may
Unlock the treasures in our minds, which lay
Hidden deep down and now of no avail,
But which o'er State and Nation may prevail.

OAKLEY, 1879.

Every true hero grows by patience. People who have always been prosperous are seldom the most worthy and never the most strong. He who has been compelled to suffer, has probably not begun to learn how to be magnanimous; as it is only by patience and fortitude that we can know what it is to overcome evils, or feel the great pleasure of forgiving them.

Wisely insure at the New Zealand Insurance Co.'s office, 307 California Street.

GENERAL GRANT.

The citizen we have named above is destined we believe by a wise Providence that watches over and guards our beloved country, to be the NEXT PRESIDENT of the United States.

More than a year ago we expressed the same views, and we again reiterate them, all the signs of the times, all the peculiar conditions of our country at this time seem to demand Gen. Grant as the most fitting man to rule the destinies of the people, and restore the agitated and troubled political elements to quiet and safety.

LET US HAVE PEACE.

These memorable words are now about to be fulfilled, and there is no other citizen of the United States at this time so well versed in the wants of our Nation as Gen. Grant, his recent visit to Europe, his study of the various governments of the "Old World" most eminently fit him now for the Presidency of the United States, and we believe as we have said, a Divine Providence will turn the hearts of the people to him that the highest good of our beloved country may be secured.

Soon our Pacific Shores will be called upon to welcome this distinguished guest, whom all will delight to honor, and we trust all our citizens as one man, without distinction of party or sect will be ready to hail him with a true, sincere and joyous welcome, not only as a Californian but as the Hero that battled to save our country.

ASSASSINATION---MURDER.

"Is there is a crime
Beneath the roof of heaven, that stains the soul
Of men with more infernal hues, than damn'd
Assassination."

For a long time past our city has been the scene of many brutal and terrible murders and assassinations, and rarely do these crimes receive their merited punishment, and although Sacred Writ says; "*The guilty shall not escape*," and says the same Sacred Volume, "*Whoso sheddeth man's blood, by man shall his blood be shed.*"

The recent sad and most calamitous murderous scenes that have been enacted in our streets have cast another cloud over our city's fair fame, that years cannot efface.

The result of that fearful attempt at assassination of a citizen nominated for the highest office in our City has resulted and will always result like that scene in Sacred Writ of Haman and Mordecai, the persecuted has triumphed.

Williams' Composite Pavement.

This splendid pavement for our streets is now steadily gaining headway in spite of all obstacles and hindrances of interested parties in other kinds of paving material.

We cannot but feel assured that every candid and honest mind after examining the pavement between the Palace and Grand Hotels if they will but ride over it a few times, and then ride over the stone or any other pavement in our City, that they would as honest and conscientious persons acklowledge that "William's Composite Pavement" was by far the best for our streets everywhere.

For freedom from noise and rattle, for economy, and for a large saving in the wear and tear of carriages, and to horse flesh, beside the quiet in our dwellings, it would be the best pave even at the same cost as other paves, but when it would save tens of thousands of dollars to tax payers every year, this, added to all the other and many benefits, make it by far the best, cheapest and most desirable Pave that can be used.

Great American Lily.

The magnificent Lily now on exhibition at the Pavilion and attracting great attention is worthy all that can be said in its praise, and when grown with proper skill and care in a proper place will excite great wonder and admiration, as it can be claimed to be the grandest specimen of floral beauty in the world.

There has been so much said and written of this Lily that was *erroneous* we propose to publish immediately a full and correct history of this Lily with its *origin*, *blooming* and *characteristics* from reliable data in our hands.

The blooming at the public garden attracts great attention and from 500 to 800 visitors have attended there during each day and evening; we are confident our report of this Grand Flower will gratify our readers, we commence it in our next issue.

THE WOOL WAREHOUSE OF FAULKNER, BELL & CO.

One of the largest and most complete Wool Warehouse of our Coast is that of Messrs. Faulkner, Bell & Co., situated near the Railroad Depot on Townsend street, and thus in immediate connection with all the various Railroads of the State.

The Warehouse is 230 by 137½, firmly built of brick, two stories high, and having a capacity of storage of 6,000 bales of wool.

This Firm receive the Wool in the rough, and with their Gove Presses, (the best known for wool) they can handle and pack 200 bales per day, using two presses for unwashed and one for washed wool.

The wools received at this Warehouse come from all sections of the State, these wools are known as Monterey, Southern, Northern, Sonoma, Sacramento, Ukia, Humboldt, Nevada and Oregon wools, the wools from the Humboldt, Mendocino and Sonoma regions are classed as the best, wool from the Humboldt over the steep grade is brought in 100 lb. bales upon mules, 2 bales a mule load, from other sources the large heavy bales unassorted lots; wool from Port Orford is not as clean or healthy wool and ranks lower than many others.

All wools are assorted into four grades, 1, 2, 3 and 4—the most desirable sorts are the Delaine and Combing Wools, these are shipped East, the fleece and washed wools; and the poor, wet and tag wools the *lowest class*—this is made up of belly and tag wool, often black and long wool is mixed for the gray blanket, and Southeast wools also as is ordered by manufacturers.

The varied processes of sorting and packing is an interesting one to a person not familiar, as the work is so rapidly done, the machinery in this packing house being the best and most powerful on this Coast, everything is done in the best manner, the heavy presses being of treble power, equal to any hydraulic press ever known.

Five men can sort 5,000 lbs. per day; in the scouring process great improvements have been made, the "Sargeant self-acting scouring machine" is used here.

In this process the wool passes through *four cisterns*, 1st and 2d the softening and cleansing, 3d for soap and soda scouring, 4th cleansing and rinsing, and thus the wool placed in cisterns in the rough, dirty and dark, comes out white and clean, but it has left the dirt behind, and a loss of 50 to 70 per cent. in weight, thus wool placed in the vats costing 18, 20 and 22c. per lb., when washed costs 50, 60 or 70 cents per lb.

With the perfect machinery in this establishment all work is done with great expedition and in the most perfect manner.

Fortunate for this Warehouse they have an ARTESIAN WELL, 134 feet deep, bored by Stevens & Wilder, a perfect success, giving a full supply of water, the well always full, here is a saving of thousands of dollars annually.

The rapid and perfect manner in which wool is sorted, and scoured at this Warehouse makes it cheaper for a woolen mill to buy their wool ready washed for their looms, than to wash and scour at the manufactory.

By division of labor at this place under the well directed system of Thomas Mitchell, Esq., general superintendent, all working departments move on like clock work, for Mr. Mitchell is most admirably qualified for this post of duty, Mr. Davis is foreman of the Grading Department.

When we visited the Warehouse there was 6,000 bales in store, one thing we noticed with pleasure the clean whitewashed walls of the building, this gave a clear light so that every bale of wool could be plainly seen and examined, and the whole building looking bright and airy, this Warehouse was the first that has adopted this refreshing and beneficial process.

It will be remembered that Messrs. Faulkner Bell & Co., were the first to augurate Wool sales in our City, the ready sale this year of Wool for Eastern markets precludes sales this year.

Splendid Grain.

We have upon our table a very fine sample of wheat of the "Propo" variety raised by G. W. Colby, Esq., on his grain farms in Contra Costa county.

The heads of the wheat are large and well filled 6 to 7 inches long, the straw firm and bright, showing strength of soil that gave perfectly matured grain.

We learn that the land on which this wheat grew was "summer fallowed" and *twice ploughed*, and a crop of 60 bushels per acre was the result of this wise system of culture.

For years past many of our grain growers have ridiculed the system of *summer fallow* or of *deep ploughing*, or *twice ploughing*, but lately here poor crops of 10 to 15 bushels has compelled them to a better system, and similar results are attained by all who practice Mr. Colby's system.

Sonoma County Fair.

This district comprises the counties of Sonoma, Marin, Napa, Yolo, Lake and Solano, 6 counties, and could and should have a display equal to our State Fair, if they only try.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have GRAIN to sell and to keep.

THE SOWERS.

Ten thousand sowers through the land
Pass needless on their way;
Ten thousand seeds in every hand
Of every sort had they,
They cast seed here, they cast seed there,
They cast seed everywhere.

The land a forest straightway grew,
With plants of every kind;
And kindly fruits and poisonous too,
In that wood could you find;
For trees grew here, and trees grew there,
And trees grew everywhere.

Anon, as many a year went by,
Those sowers came once more,
And wandered 'neath the leaf-hidden sky,
And wondered at the store;
For fruit hung here, and fruit hung there,
And fruit hung everywhere.

Then plucked they many a berry bright,
None could their right deny;
And some ate to their long delight,
And some ate but to die;
While some plucked here, and some plucked there,
And some plucked everywhere.

Not knew they in that tangled wood
The trees that were their own;
But as they plucked at each one should,
Each plucked what he had sown.
So do men here, so do men there,
So do men everywhere.

—*Tinsley's Magazine.*

THE TAX ON GRAIN.

THE TAX ON GRAIN IN THE PRINCIPAL COUNTRIES IN THE WORLD.

It may be interesting to know at the present juncture when so much is being said about protective duties in various countries, what the present duties are.

In England, Austria and Russia, grain of all kinds are admitted free of any tax.

In France, rye, maize, barley, oats and buckwheat are exempt from any duty; but wheat has to pay a tax of 60c. per 100 kil. (about 1s. per 480 pounds.) Wheat other than European, when imported through a different country to that which produces it, is taxed to the extent of about 5s. 6d. per 480 pounds.

In Spain wheat is taxed to the extent of 4frs. 32c. per 100 kil., (about 7s. 6. per 480 pounds,) and on other grain a duty is fixed amounting to 3 francs, 20c. per 100 kil.

In Italy the following is the scale of the duties on grain: Wheat, 2s. 6. per 480 pounds; all other grain, 2s. per 480 pounds.

In the United State the scale of duty is more complete than in any other country, and shows the following gradnations: Wheat, about 6s. 10d. per quarter; maize and oats, about 5d. per bushel.

With regard to flour, there is absolutely no tax in England or Austria.

In France, flour made from rye, maize, barley buckwheat and oats, is admitted free, but wheat flour pays a duty of 1 franc 20c. per 100 kil. (about 1s. 3d. per sack.)

In Italy, flour of all kinds pays a duty of about 2s. 9d. per sack of 280 pounds.

In Russia and the United States the duty varies according to the description of flour. In Russia, wheat flour and bean and pea meal is taxed to the extent of about 2s. per 280 pounds., rye, barley and maize meal about 7d per 280 pounds. In the United States oatmeal pays a duty of about 6s. per 280 pounds; maize meal 10 per cent. of its value; rye flour 10 per cent. of its value; other kinds, not denominated, 20 per cent. of their value.—*Corn Trade Journal.*

BREEDING FROM IMMATURE FEMALES

We should avoid breeding from very young females, whose development and stamina will be impaired by the constant drain upon it for the nourishmen of the coming progeny. It is notorious that females who breed too early fail to attain the full size and development of their family. It has been shown by the New York reports on "Abortion in Cows," that this scourge has proved especially disastrous in herds in which this system of premature breeding has been carried on for a series of generations, and where the constitution has been correspondingly impaired. While the essential cause of the abortions was probably altogether different from this, yet the ruinous results in these herds seemed to show that the generative functions were largely impaired, so that the animals fell easy victims to the immediate cause itself. The statement of this cause suggests the remedy. Females should not be put to the male until they are at least verging on maturity. Above all, the system of breeding from very immature animals should not be continued in the same line from generation to generation, as that can only tend to accumulate and intensify the evil. In the exceptional case of a very forward animal, where an early conception is especially desirable, and where the young dam is either not allowed to suckle her offspring, or is allowed to skip the following year without breeding, the course may sometimes be profitable, but as a rule breeding from immature animals should be avoided, for the reasons above mentioned.—*National Live Stock Journal, Chicago.*

"It seems to me," said a customer to his barber, "that in these hard times you ought to lower your prices for shaving." "Can't do do it," replied the barber. "Now-a-days everybody wears such a long face that we have a great deal more surface to shave over."

HORSE RACING---POOL SELLING.

OUR AGRICULTURAL FAIRS

are nearly all of them more or less disgraced by pool selling and gambling, while frauds are almost everywhere practiced where these plans are allowed. "Horse Racing" and "Trials of Speed" as they are called, as a general thing are not established for the *trial of speed only*, but they are planned and gotten up by horse men, interested as *sportsmen*, for a chance to *bet on races*, save the owners of the horses, they don't care *which side wins*, provided they are on the *winning* side, and if it so happens that they have bought pools that are *not likely to win*, then comes the *hedging* or bribery to buy off the best horse and let *second-best win* the race, and the *sharp* pocket the money.

The history of the Race Track shows this to be so, and the many times some of the famed sports have been *ruled off the track forever* proves this, and if those who manage Races would have the public believe they *did not connive* at such practices, it would be a good thing for *them* to keep all those *sharps* whom they have ruled off the track as they say *forever*, from ever appearing there again, until this is done such affairs as that at *Utica* and such as have occurred so often in this State will forever entail disgrace upon the Turf—stop pool selling all together and the first step to a reform will have been taken.

THE UTICA AFFAIR.

"Through the untiring energy of Mr. Thos. J. Vail, the whole of the iniquitous doings at Utica last year, have been thoroughly ventilated. The investigation laid bare as rascally a piece of business as ever disgraced the turf. The pool-box is directly traceable as the source of mischief, and proved its influence with the judges stand. The National Association did a good thing in making this investigation, but are they not in a measure to blame for what has transpired? They countenance pool selling and allow pools to be sold on tracks controlled by them, thus tacitly permitting temptation to be constantly in the way of those who are approachable. Is it to be wondered at that the opportunity was availed of? Now let the National Association complete a good work and banish the pool-sellers forever from their tracks. As long as men are corruptible and temptation is ever, in their way, so long will there be dishonest practices where all should be open and above board. As it is, the *expose* of the Utica matter will act as a salutary check on the gambling fraternity, and the chances are that we shall hear no more of such proceedings, for this season, at least. The investigation at Hartford involved the name of a party whom we have always looked upon as being above reproach. Let him clear his skirts of the charge against him, for it is due to his friends that he should prove himself innocent of any complicity in this unfortunate affair."

A GOLD MINE IN A COW.

WHAT THE "TENTH DUCHESS OF AIRDRIE" HAS DONE FOR HER OWNER.

One of the most remarkable cows on record is the "10th Duchess of Airdrie," owned by the Hon. Mat. Cochrane, which has just given birth to her ninth calf, a red heifer, to be named the "9th Duchess of Hillhurst," by 3rd Duke of Oneida. Of the 10th Duchess and her daughter's calves, Mr. Cochrane has sold the following animals at the prices named: —in the winter of 1875 the bull calf, 4th Duke of Hillhurst, at $7,000; at public auction in Toronto, June 16th, 1875, the bull calf, 5th Duke of Hillhurst, two months old, at $8,000, and the heifer Airdrie Duchess 5th, eight months old, at $18,000; at auction sale in Toronto, June 14th, 1876, the cow Airdrie Duchess 2nd, at $21,000, and the heifer Airdrie Duchess 3rd, at $23,000. In August, 1877, privately, the heifer 6th Duchess of Hillhurst, at $12,000; and at public sale at Bowness, Windermere, England, September 4th, 1877, the heifers 3rd Duchess and 5th Duchess of Hillhurst, at 4,100 and 4,300 guineas each, or $20,500 and $21,500 respectively; making a total of $131,600 for eight animals sold. He has still in his possession, besides the 10th Duchess, Airdrie Duchess 4th, 7th Duke, and 7th and 8th Duchesses of Hillhurst, five animals, and has lost four animals by death. The above result has perhaps never been equalled by any one animal at the same age. In December, 1875, an offer of $25,000 for the 10th Duchess was refused, and the same for her daughter, Airdrie Duchess 4th. Since then the old cow has brought three heifers and one bull; two of the heifers have been sold for $33,500, and there still remain the bull, and the heifer just dropped, besides the dam, who will probably breed a number of calves yet.—*Nova Scotian Journal of Agriculture*

Preservation of Butter.

Italian Minister of Agriculture, Industry and Commerce has addressed a communication to the Chamber of Commerce of Milan relative to the renewed experiments in salting butter with borax which have been carried out at the Agricultural Station at Florence. Borax would appear to have a most marvellous effect in securing its absolute preservation. Samples of fresh butter made at the Florence station, and purposely not carefully freed of the buttermilk, were found, on the addition of about 8 per cent. of borax, to maintain their natural fine flavor without the least change whatever for upwards of three months. To attain this satisfactory result it is necessary that the borax should be perfectly dry and in very fine powder, and care must be taken to insure its thorough mixture with the whole mass of the butter operated on. Among the further advantages of this plan, it is noted that borax imparts no flavor of any kind to the butter, while it is entirely harmless in its nature, and also reasonably cheap. Still later experiments have shown that a very much smaller proportion of borax suffices to produce the desired effect, and, also, that simple solutions of the salt act quite as well as the dried powder.

The consumers on the Continent are averse to salted butter, and hence they may prefer borax as a preservative, while our people will adhere to their salt.

[We hope the Dairy men of the Pacific Coast will try this method.—ED. F.]

When General Grant made an appointment to meet the King of Siam, H. R. H. wrote a polite note saying, "Shall I come in uniform, or shall I come as Siam?"

The man who can sing a hymn while jointing a stovepipe is good enough to walk into full membership of any church without probation.—*Herald and Presbyterian.*

SENSATIONAL FARMING.

Some injury is done to the plain, simple-minded folks by the reported statements of enormous agricultural enterprises in California, Minnesota and Dakota, with vast profits growing out of the fabulous operations. One Californian *farms*, or rather skims 46,000 acres yearly by sowing it in wheat. His harvest is said to have produced 900,000 bushels of wheat, netting him $765,000 in one year. One would suppose this man would have realized a moderate competence at least out of one year's operation; but we now learn that after ten years' exciting business, he owes about a million dollars and is practically a bankrupt; "land poor," with a white elephant, which he can neither keep nor let go, on his hands. So in the Northwest, we have had reports of great tracts of land sown to wheat and large sums of money realized. But we are slow to think of the expenses and waste of this sort of agriculture, of the large capital required to produce a crop, of the enormous interest on loans needed to carry on the business and meet current expenses, or on the inevitable final result of ruined land, barren fields, wasted opportunities and a general wreck which alone is left behind of the baseless fabric of a grand vision. It is a great gambling transaction; the weather, season and markets being the largest which are risked, and possible success, barren at the best: a cheap notoriety, or final ruin, are the alternatives. It is well that the facts should be known, and that these glittering stories should be understood, as mere speculative ventures in which there is but one ending, and that a grand crash, a mountain of debt toppling over and crushing the whole fabric; speculators, farms, crops, armies of laborers troops of horses, parks of machinery, all these involved in one general ruin. This has been, will be, and must be, the end of this illegitimate use of the bountiful soil which is made to pour out its life in a few short years of wasteful, riotous agriculture.—*Rural New-Yorker.*

Great Sheep Shearing.

We are indebted to the kind courtesy of A. H. Craig, Esq., the Secretary of Southeastern Wisconsin Sheep Breeders and Wool Growers Association, for a valuable report of the Clips made at the Shearing held at Caldwells Prairie, May 7th last, which we have just received.

The number of sheep exhibited and shorn, 65 rams and 72 ewes, the fleeces 16 to 29 lbs. mostly ranging—16, 18, 20, with a goodly number of fleeces over 20 lbs. and but one fleece under 10 lbs.

A fleece of Alexander Frazer	20.03
" " " E. T. Battles	27 00
Several others with fleeces of each	20 00

We noticed that P. Craig exhibited in 10 out of 12 classes, and his fleeces were 11.04, 15.10, 10.10, 18.9, 23.10, 12.9, 14.7, 15, 17.10, 20.09, a most successful exhibit—the whole affair was most creditable, and many other exhibitors made good showings—Mr. Craig exhibited 20 sheep, 6 rams and 14 ewes, the largest exhibitor.

It would be a pleasant affair to have a Sheep shearing in California, good would result from it.

THE

NEW ZEALAND INSURANCE CO.

FIRE AND MARINE,

Organized 1859.

Capital, $5,000,000.

With Unlimited Liability of Stockholders.

Capital	$5,000,000
Capital—paid up	1,000,000
Assets	1,955,655
Re-Insurance Reserve	345,639
All Other Liabilities	189 075
Surplus for Policy-holders	1,450,941
Premiums received to May 31, 1878	7,405,377
Losses Paid to Date	4,509,902
U. S. Bonds deposited in Oregon	50,000

UNDERWRITE, THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandise, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

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OREGON BRANCH:
No. 7 FIRST STREET, PORTLAND.
W. F. BROWN Manager.
47.1?

URANINE.

This wonderful new compound which has excited so much wonder and admiration, and which is so valuable as an Analine Dye, has been received by us and will be offered for sale by us at early day. We can show it as illustration of its magic power—a single grain will color 350 gallons of water. For sale at

FARMER OFFICE.

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IMPORTERS OF

Hardware, Iron, Steel, Coal, Powder, Fuse,
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—AND—
RAILWAY SUPPLIES.

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No. 52, 54, 56, 58 K Street,
SACRAMENTO.

N. ASHTON & SON'S
Liverpool Fine Salt.

IN UNIVERSAL USE THROUGHOUT THE EASTERN and Western States, and acknowledged far superior to any other brand of factory-filled salt.

Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March:

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory-filled salt; therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $13, for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams; and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"

For sale by

WILLIAMS, BLANCHARD & CO.,
218 CALIFORNIA STREET,
48 10 Sole Agents for Pacific Coast.

J. M. NEVILLE. G. H. NEVANY.

NEVILLE & CO.,

Bag, Tent and Hose Factory

33 CALIFORNIA STREET,

South-East Corner of Davis Street,

San Francisco,

[Removed from their old place, 113 Clay Street, to their new and enlarged accommodations.]

IMPORTERS, MANUFACTURERS, AND DEALERS IN ALL KINDS OF

Bags, Burlaps, Duck,

Canvas and Cottons.

LITTLE'S CHEMICAL SHEEP DIP

THIS NEW NON-POISONOUS SHEEP DIP, PRICE $2.00 per gallon. For directions and testimonials. Apply at

FALKNER, BELL & CO.,
WOOL AGENTS,
430 California Street.

VALUABLE

FARMS FOR SALE.

Valuable Farms in the sunny lands of San Diego County.

Those families who desire to leave the cold wintry region of the north and come to a better climate—are invited to the following Farms we offer at good bargains:—

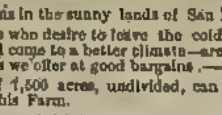
One Farm of 1,500 acres, undivided, can have a great chance to buy this Farm.

One of 320 acres, of rich land of the very best soil, running water, and generally low land, capable of growing any crop wanted, a portion fenced, with fruit trees and vines now bearing.

One Farm of 160 acres of most excellent soil, capable of raising all Tropical Fruits in the greatest luxuriance.

All these Farms are in the Bee-region—and suitable for this interest—all sold on easy terms. For particulars address

STEINER, KLAUBER & CO.,
San Diego City, Cal. 49 2
Or CALIFORNIA FARMER Office, 320 Clay Street.



FOUR SPLENDID WAGONS.

Farmers who desire a splendid Single or Double Seated Wagon, of the BEST make and BEST finish, can have a special bargain if they will call at 320 Clay Street, FARMER Office, where style of the Wagon will be shown them, price and terms also. An early call will secure a bargain rarely obtained.

BERKSHIRE SWINE RECORD.

A SPLENDID WORK IN THREE VOLUMES, ELEGANTLY illustrated with plates of the finest Berkshire swine in the United States and the Canadas, sent out by the American Berkshire Association, is now for sale at the CALIFORNIA FARMER OFFICE, 320 Clay Street.

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A LARGE lot of good country newspapers in good order for packing up goods, can be had at reasonable rates, in lots of *One to Five Thousand.*

For Sale at FARMER OFFICE,
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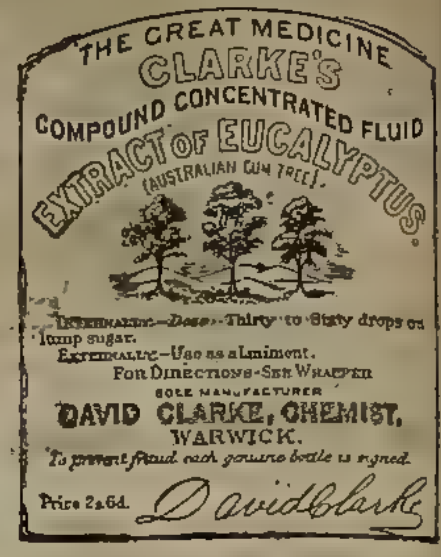

We have appointed for the sale of this Medicine advertised in our columns the following

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The Remarkable Cures which have been effected by the Wonderful Remedials, known as CLARKE'S EUCALYPTUS REMEDIES from Australia, have, and are exciting a great influence among all those who have long been sufferers by those terrible sources of suffering, RHEUMATISM, NEURALGIA, DYSPEPSIA, and FEVER AND AGUE.

These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.

Be sure you ask your Apothecary for the true Medicine DAVID CLARKE'S EUCALYPTUS PREPARATION The only Genuine article.

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THE GREAT FERTILIZER.

This most excellent material for all Clovers and Grasses can now be had of the undersigned at the low price of

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Also—Building Plaster, Casting Plaster, and Terra Alba For Sale by

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In connection with the publication of the *Scientific American*, we continue to act as Solicitors for Patents, Caveats, Trade-Marks, Copyrights, etc., for the United States, Canada, Cuba, England, France, Germany, etc. In this line of business we have had *thirty-three years' experience.*

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THIS CELEBRATED PUBLICATION OF THIRTY Years standing is one of the best works of the kind known, published by Peterson Brothers, Philadelphia.

Subscription price, monthly	$1 50 per year.
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FRESH EUCALYPTUS SEED.

Fresh seed of the EUCALYPTUS GLOBULUS just received from Australia—VERY EXTRA QUALITY

Also twelve New Varieties not before introduced here, but valuable kinds.

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Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

GARDENING IN CHINA.

If prizes for profitable gardening were competed for by nations, the Chinese would have a fair chance of proving the successful competitors. They are born with the great instincts needful for profitable gardening—First, never to waste so valuable a thing as land by letting it lie uncultivated; secondly, never to waste *anything*, because in ninety-nine cases out of a hundred, anything may be utilized as a manure. They collect, with extraordinary care, from the butcher, the poulterer, the tanner, the glue-maker, hair-dresser—no matter whom—every waste thing that can possibly contribute to enrich the soil. They are an eminently persevering race, and have a climate which smiles benignly, if sometimes too warmly, upon their "patient continuance in well-doing" as tillers of the ground.

Esculents of every species and variety, such as sweet potatoes, yams, turnips, carrots, beans, peas, celery, radishes, broccoli, cabbages, lettuces, cucumbers, melons, pumpkins, tomatoes, etc., etc., are produced in large quantities in the market-gardens found in the neighborhood of every city, town and village. As a consequence of their great abundance, these sell at most reasonable prices. The high state of cultivation in which the market gardens are kept, would, moreover, draw from our English gardeners expressions of admiration and respect.

A great variety of trees, some of which are little known elsewhere, are to be found in the orchards of China. In addition to the peach, apricot, custard-apple, rose-apple, pineapple, pear, plum, walnut, date, cocoa, plaintain, banana, persimmon, citron, orange, lemon, quince, guava, olive, pomegranate, and vine—the last mentioned being grown in many varieties—there are the lichi (the fruit of which is the size of a strawberry, the stone being enclosed in soft succulent pulp of a very delicious flavor) the lung ngan, or dragon's eye; the wampu, whose fruit, about the size of a pigeon's egg, is much esteemed, and the caramblo. Of these fruits the caramblo is, perhaps, gathered in greatest abundance. The orchards in which it is produced are very numerous, and in the Autumn, when the fruit ripens, they are kept in a state of perpetual clangour from the beating of gongs, hired for the purpose, and without which the birds would consume more than half the fruit.

But the Chinese do not confine themselves to cultivation on dry lands only; they also cultivate the bottom of the waters, and in the beds of shallow lakes, ponds, and brooks, produce fruits unknown to Europeans. The water-chestnut, or Mai-tai, as they term it, the fruit of which is enclosed in a case formed by its root, is one of the most noteworthy of these products, and is grown in large quantities. It is a very wholesome and of a delicate flavor, and is gathered by women, who tuck up their wide trousers and wade above their knees into the ponds, where they grope for the chestnuts with their hands.—*American Garden.*

New Raspberry.

The Hornet Raspberry.—One of the most beautiful sights in the fruit line that we have seen for a long time, was a block of Hornet raspberries on the grounds of the venerable P. R. Freas, the fifty year editor of the *Germantown Telegraph*. The canes with their foliage were models of health and beauty, and were borne down or would have been had they not been tied, by their weight of fruit, and such fruit! Though Herstine, Philadelphia and other well known kinds were there and as well cared for, none of them had such large berries or would fill the bowl as well as "the bill" as these. The berries were at least one-third larger than Herstine, and their pendulous cherry-like habit gives them an interest to the eye long before they reach the mouth. Of course it is not "hardy." Lazy people to whom anything that will fill the stomach in the shortest and fullest manner is all that is worth living for will not touch it. But any one to whom it is a labor of love to spend an hour in October in bending down a hundred canes or so, and covering them with a few inches of earth, will have something worth loving all the Summer months following; for the Hornet is a long time running out. One can have Hornets on his table from his own bed for six weeks, and not object to their presence; even were they real "hornets" instead of *Horn-aops*, as the critical tells us we must call them

ENCOURAGEMENT FOR ROSES.

As we write the competition for the Rose Premiums of the Massachusetts Horticultural Society is in order, and ought to bring out rivalry. $150 in a silver cup for the best twenty-four hybrid perpetuals is worth trying for. In the shape in which the society offers this premium it is different to the old way of doing things, for the winner of this premium is likely to be well advertised.

LILIUM PARKMANNI.

This beautiful lily, raised by Mr. Francis Parkman, of Boston, between Lilium auratum and L. speciosum, is the subject of a beautiful colored plate in the London *Garden*. The color is much like a very rich tinted speciosum, but the flowers are about nine inches across, and in other respects like auratum.

BEGONIA ROEZLII.

This new species from Mexico is said to be a very distinct character and very beautiful. The flower buds are said to represent the opening of the European Red Poppy, and the expanded flowers are of a beautiful red.

Japan Persimmon---A Failure East.

JAPAN PERSIMMON.—I am glad of the information in the *Monthly* about Japan Persimmons. They are certainly a failure. Trees planted here last Fall are dead mostly, Winter-killed root and branch. The sooner the public are aware of the unhardy character of the tree the better. Agents will sell at least one thousand dollars worth of the stock in this country this season, from which unadvised purchasers are not likely ever to realize aught but disappointment.—H. F. H., in *Gardener's Monthly.*

ENGLISH HORTICULTURAL SOCIETY.

How singular and strange it is that our State now thirty years old has but one Horticultural Society in the State, and that one though young (only two years old) and of not much capital yet—while we have no *State Horticultural Society.*

There has been several societies formed in our city and elsewhere, but by reason of a want of union among its members and a want of due liberality to sustain the organizations, they all died for want of due means and cooperation.

We copy from the *Preston Guardian*, of England, an article showing how the gardeners and florists of old England do up horticulturist interests there, and we hope such examples may stimulate our people here. That journal says:

"The annual conference of the National United Order of Free Gardeners was commenced at the 'Prince Albert Hall,' Sheffield; on Monday, June 2d. There were delegates present from Accrington, Bacup Barrow, Blackburn, Chowbent, Chitherowe, Furness, The Tylde, Kendall, Leigh, Leyland, Preston, Rochdale, Todmoden, Warrington, etc.

The conference was presided over by Brother W. A. Picknott, G. M., there were 150 delegates present, representing 50,000 members, whose funds are estimated at £106,049, [equal to over half a million dollars.]

The President in an opening address, said their last annual report showed a gain financially of £5,265 17s. 6d., [more than twenty-five thousand dollars.]"

Their business meeting was a very interesting one, and we give this brief sketch to show the gardeners of California how much they are behind the age—we have often urged them to a united action on this subject.

A proposition has been started to organize a STATE HORTICULTURAL SOCIETY by our neighbor the *Horticulturist*, which we hope may be successful.

A Capital Hint.

ROTTEN FRUIT.—As the season has arrived for submitting fruit to the editor for names and opinions, we would suggest the propriety of always paying the express charges, and marking on the box "paid in full," or "paid through." Fifty or seventy-five cents for express charges is not much to each sender, but it is a good deal for the editor when they come in a dozen or two at a time. Generally all unpaid parcels are absolutely refused, but once in a while in the Editor's absence, a box creeps in. We write feeling just now, as thirty cents have just gone out of the door, and six rotten peaches out of the window.

Strawberry Plants for Sale

TWENTY VARIETIES.

The Rarest and Best.

PRODUCING BERRIES THIS SEASON from the size of a Walnut to that of a Hen's egg.

The varieties offered are new and choice and immediately productive.

Directions for their culture given to all purchasers. For sale at

Farmer Office.

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HONEY, GREEN AND DRIED FRUITS.

ADVANCES ON CONSIGNMENTS TO

LONDON AND PARIS.

49:12 Correspondence Solicited.

Very Rare Australian Seeds.

WE HAVE RECENTLY RECEIVED FROM AUSTRALIA large collections of the new varieties of the Eucalypti never before imported here; also, very rare TREE and SHRUB SEEDS, which are most desirable to introduce upon the Pacific Coast.

In order to scatter them widely, and thus have them extensively grown and more widely disseminated. We shall put them up into collections of *ten parcels each*, and mail them to order, at $5 each collection. Address

WARREN & CO.,
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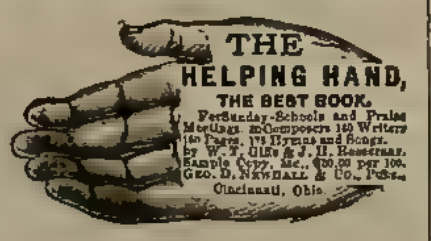

48:2

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The only Builders of the

OPPENHEIM DOUBLE BUGGY,

—AND—

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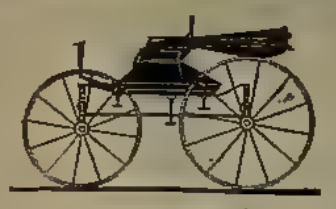
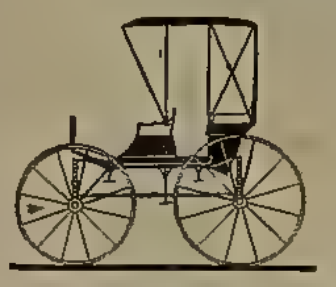


SINGLE.



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Depot of the Pioneer

—AND—

EAGLE PAPER MILLS.

48:10

BEST FRUIT DRYER.

The Best, Cheapest, and Easiest working Fruit Dryer yet invented is the

GRANGER'S

FAMILY

Fruit and Vegetable

EVAPORATOR.

APPLES DRIED IN TWO HOURS.

Needs no extra fires, as it can be used upon a Cooking Range while in use for other purposes. Dries perfectly and rapidly Apples, Pears, Peaches, Plums, Cherries, Currants, Grapes, Berries, Corn, Peas, Beans, Pumpkin, Squash, and all kinds of Herbs. Makes beautiful Jellies, Jams and Syrups. No family should be without one.

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Hygienic Sanitarium

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Thermo-Electric, Steam, Hot Air and other Baths. Electricity, Swedish Movements, Health Life, Etc.

Healthful Board and Pleasant Sunny Rooms

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(Late associate of Dr. Trall,)
Resident Physician and Manager.

MRS. E. D. MOORE, M. D.,
Ladies' Physician and House Superintendent.

Send for Trall Health Journal.

49:7

Remitting Money.

We desire those who Remit us Money, to send it either in Checks on our *Banks here*, or by Post Office Order, or Greenbacks.

We desire this *specially* of *Newspaper Agents*, or others abroad who send *their Checks* on Home Banks—this occasions delay or expense to us in collecting, while it is just as easy for them to adopt the way we point out, and send us Cash or Currency. These are our terms.

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A GRAND OPPORTUNITY WILL BE OFFERED TO an active business man with a cash capital of $10,000, to step into a good and lucrative business, already under good headway and profitable. The owners declining health requires him to go East, and therefore desires to sell. This is an unusual chance for a good and reliable man to make a fortune in a few years—an opportunity very rarely offered. Address, "Q. W.," CALIFORNIA FARMER OFFICE.

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FLOWER,
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—AND—

TREE SEEDS.

SOLICIT Orders for the above from the TRADE, also, *GLADIOLUS* and all other *BULBOUS ROOTS.*

44:15 Price Lists on Application.

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Each Number contains THIRTY-TWO PAGES of reading, many fine Wood Cut Illustrations, and one COLORED PLATE. A beautiful Garden Magazine, printed on elegant paper, and full of information. In English and German. Price, $1.25 a year; Five copies $5.00.

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WE SELL EVERYTHING FOR THE GARDEN

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FLOWER AND FRUIT PLANTS

49:1

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Shipping and General Commission Agent,

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WILL ACT AS AGENT FOR GOODS SENT TO THE Sydney International Exhibition, and attend to sales afterwards, or otherwise as instructed.

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49:10

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DEALERS IN ALL KINDS OF

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PURPOSES.

THE NEW SHEEP DIP.

We invite our wool growers to call on us and examine the NEW OMAHA SHEEP DIP the best preparation yet offered—one gallon dip makes 160 gallons wash.

407 and 409 Commercial Street,

NEAR BATTERY, SAN FRANCISCO.

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FARMS, RANCHES

—AND—

LANDED ESTATES FOR SALE.

Now that we have so many settlers of the BETTER CLASS coming to our State, those who have

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—AND—

IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms and Libraries in the United States.

☞ Advertisers will be wise that consult our columns. ☜

WARREN & CO.,

CALIFORNIA FARMER OFFICE.

NEW TOOTH POWDER!

The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath.

DAVID CLARKE'S

Eucalyptus Tooth Powder,

The BEST EVER COMPOUNDED and destined to supersede all others.

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All these valuable books can be had at the FARMER OFFICE, and will be mailed by us Post Free on the receipt of the price named above.

WARREN & CO.

49:11

NURSERYMEN AND FLORISTS ABROAD.

Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurserymen, especially, who have NEW and RARE kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our JOURNAL circulates there to a large extent.

This is the season when Nurserymen should make known what they have for sale.

Warren & Co.,

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48:19 tf

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, AUGUST 28, 1879.

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Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms. Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

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The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for ONE insertion, fifteen cents a line for any larger space. Each subsequent insertion ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always served, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent, when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,
PUBLISHERS CALIFORNIA FARMER,
San Francisco Cal.

Editor's Chair.

Home.—This week we give a welcome letter from our esteemed Correspondent of early years *Alice*, which had been mislaid, yet which will be greeted by her many friends with much pleasure.

We regret the loss of her *pet flowers*, and will cheerfully replace seed for the lost flowers—we hope also that "Jenny Dare" will come to the response of our friend and tell us all about the "Blarney Stone" of the green "Emerald Isle."

"Woman's Noble Work" in other States shows progress, "Shylock Outdone" should be noted, and so of the following articles, "Milk Items" "Formation of Character" "The Blessing of God" "To Attain Long Life" "To Preserve Beauty," "Nerve Tuning" "Flavor your Tea" and "Housework that may be done sitting," these are all important in the Home circle.

Our Poets' Column.—We give this week a column of much merit, "God spare the South" here is a voice that all should hear, and all should aid that Cause.

"The Lover's Welcome" and "The Life of Song" are of great merit as poems.

"Dreaming of Childhood" is a very happy and a touching tribute to loving kindred, we value it the more as the author is a "typo" that formerly worked at the case in the Farmer Office for years.

Horticulture.—"Gardening in China" is an interesting sketch, "The new Raspberry" and other new things are worthy note, the "Japan Persimmon" should be particularly noted, and what Eastern Journals say about it, for it is a failure here.

English Horticultural Society.—We ask the florists and gardeners of California to read this article and now while they are trying to establish a State Horticultural Society let them take pattern by our English friend as pictured on page 115.

"A Capital Hint" read it, on same page.

Miscellany.—American humor, here we have a work of high merit, remember it; "Mashed Potatoes"—"Change of Diet" "A Sagacious Dog," these all will interest the reader.

Agriculture.—"The Sower," here is a lesson for all, "The Tax on Grain" "Breeding from Immature Mares," "Horse Racing and Pool Selling," "A Gold mine in a Cow" "Preservation of Butter," "Sensational Farming" and "A great Sheep Shearing" all will interest our readers.

Our Front Page.—"Our Paris Letter" should have a special reading by all who wish farmer to prosper.

California.—A beautiful tribute to California, a Poem of great merit and beauty from a young lady, we place on our Front Page, and as we have always believed in the great future of our glorious State, we feel proud to receive from this gifted young lady her noble tribute to the "Golden State" for our Columns.

We hope we shall again hear from this same gifted mind.

A Fortune in Fruit Growing.

We desire to call particular attention to the 'Splendid Estate" advertised in our Columns this week for sale.

We venture to say without the least contradiction that there has never been offered an Estate for sale in California more beautifully located, nor so well prepared at hand, for making a Fortune, as the Estate now offered.

We know the Estate well, and as the advertiser says to any one person of good ability and a knowledge of orcharding and vineyarding, or to a company of three or four in joint management, men that can all mutually agree to take hold in earnest—this Estate is richly worth to-day Sixty Thousand Dollars, it could be easily earned and won inside of *five years*, from the actual profits made, see advertisement.

THE GREAT FAIR SEASON COME.

The glorious season of our harvest time has come, and in many places the harvest that has been gathered has been a goodly and a generous one; a harvest for which the "tiller of the soil" and the toiler in the soil, laborers all, should be thankful, it should indeed be a "season of Thanksgiving."

Undoubtedly to every one who has a *heart in the right place* it will be a season of Thanksgiving and will prove like the laborers in God's Vineyard in scripture, those that he gave the *five* and *three* talents, they will come and say to us, you gave many talents, our lot was cast on a goodly land and we have labored long, we have "filled the soil and subdued it," as the first command, and lo! we bring a goodly harvest—and the word will be, well done! good and faithful husbandman take thy reward, a generous harvest.

But these others, like many complaining farmers will come and say as did the man with the *one talent*, "I know this season to be a hard one—floods and drouth, mildew, rust and blight, worms, grasshoppers and all manner of evils have visited me, and instead of *working* and *combating* them by a wise economy and better labor, I let all go and rolled up good prospects "in a napkin," and by a waste of time and neglect of opportunities I am now where I have nothing to show for the season that I should have improved."

And thus at this time, as the great season when our farmers and harvesters should be joyous and happy and ready to come forward and show the result of their season's labors, where are the evidences they bring, when they should come boldly and joyously forward

"BRINGING THEIR SHEAVES WITH THEM."

Now as the season of our Agricultural Exhibitions have come we *hope* to see the grand results of the year's labor of our best and wisest FARMERS, MECHANICS and MANUFACTURERS, for it is now to be their Holiday Season, and the *proof* of what they have done, and the progress they have made during a whole year will soon be offered for the judgment of the public.

OUR AGRICULTURAL FAIRS.

The original design of all "Agricultural Fairs" was to encourage, foster and promote all the *Industrial laborers* of the land, and to this end each State made judicious appropriations to be given as Premiums for the *best exhibition* in each branch of every department of *Agriculture, Horticulture, Floriculture* the *Mechanic's Arts* and *Manufactures*, and for a long period of years these Fairs were continued as originally designed, but most unfortunately our *Fair Season* has of late years become not one of honorable competition for the most meritorious display, but a strife for Premiums *as a means* of promoting large sales of the articles exhibited, and so much so that our Exhibition Halls are now like a *great trade Bazaar*, wherein there is little of the original pleasant and happy spirit of examination of the exhibited products, such as created so great an interest in former years, but in its place a jealous and envious rivalry that has driven from our "Exhibition Halls" those that were the best exhibitors and its best friends, as a proof of this we can go back more than *forty years* and remember attending *agricultural Fairs* and exhibiting at them, but never were there such scenes witnessed as are now seen almost everywhere in the Fairs of the present day and especially in California.

We are glad to know there is a deep feeling on this subject, and a desire on the part of the *true friends* of such exhibitions for a reform, we have a circular from the Grangers and another from other associates looking to a better state of things and hope ere long to see these reforms perfected, now is the time to labor for them.

THE PAVILION FAIR.

There are some most honorable exhibitions at the Pavilion Fair that should receive special attention and examination.

Among the highly and most meritorious exhibits, is the agricultural display of M. C. Hawley & Co., and the bright polished plows of the *John Deere Plow Company* are most conspicuous, a better show of plows was never made. (See advertisement in Farmer.

The display of carriages by B. Grave & Co. are among the best ever shown.

G. H. Tay & Co. make a grand display of stoves, ranges and kitchen furniture, that like the pyramid that displays them, must bring that house a pyramid of trade, it is a grand exhibit.

The display of Main & Winchester of saddlery and harness has never been surpassed in any fair in any State.

The admirable exhibit from Tubbs & Co. of cordage, show how we progress in our home manufactures. (See notice of their works on fourth page.)

The display of Messrs. Neville & Co. of their tents and awnings and other wares is one of the best displays in the Pavilion, it is a great credit to the Pavilion and to the firm, and also to Mr. James White, the manager, for his taste in getting up so unusual and pleasant a retreat for rest—the finest display of such goods ever made on this coast.

The exhibits of the California Furniture Company is the best ever made by them, truly splendid.

That Big Cask of 11,000 gallons, looks refreshing.

Messrs. Sherman & Hyde, the well known and popular music store on Kearny Street, make a grand display of pianos and organs, surpassing in style and finish and a better display than has yet been seen—a perfect bouquet of musical instruments.

The Garden—the Fountains—the Music—all join to make a pleasant scene, the particulars of which we shall give from our notes in future numbers.

Strawberries.—We have an excellent pamphlet upon *pot grown Strawberries*, by J. T. Lovett, Esq., of Monmouth Nursery, N. Y., with lists of new species.

LITTLE INTEREST IN FAIRS.

We believe it is now generally conceded that many of the best class of our citizens all over the State take little or no interest in any of the Fairs that are now in progress or about to take place over our State.

As the Originator of the first two Fairs in our State in 1852 and 1853 we think we can refer to them with a just pride, and ask our "Old Pioneers" who attended them and who remember them, if there was not then a more general interest and a better attendance according to the population of those early years, more real personal interest in everything then exhibited than is shown now at our Fairs.

In those early days all felt an interest to exhibit and make the exhibition one of interest, there was a generous public spirit evinced, there was no *selfishness*, no envy, no jealousy lest another should show something better, and it did not require drummers to rush around, beg, entreat and hire people to exhibit, as is now done, lest the Fair should be a *failure*.

It needs no apology on our part when we say that *our Fairs have degenerated*, for the fact is, they are *badly managed*, there has been a spirit of gambling and speculation infused into all the plans of our Fairs, whereby fancy sports, plays, horse races, etc., take the place of the true intent, meaning and purposes for which our Fairs were instituted.

Our Agricultural Fairs when first instituted were never cursed with horse racing, gambling and side shows, and when these evils were first introduced into our *California Fairs* at Sacramento, the very first year at a *horse race* and a *bull fight*, a man was gored to death, and thus their introduction was a "Baptism of Blood."

At the present time it is found impossible to get up and maintain a State or a district Fair without a "horse race" and numerous "side shows," and even our great Mechanics' Fair must have an income from the sale of cider stands, candy stands, soda stands and other shows that occupy some of the most conspicuous places in the Pavilion, and this because the people do not feel interest enough to fill the Hall with the products of their skill and enterprise, by reason of what they say is a selfish and an illiberal management.

No one can regret more than ourselves this want of a true interest in our industrial exhibitions, yet the fact that at the Mechanics' Fair no Premiums are awarded, how can it be expected that we could have a very grand exhibit.

The Fair at Sydney the English Government have contributed Half a Million of Dollars for the enterprise, and Sydney contributes as much more, and Premiums of the most liberal kinds will draw exhibitors from our City and whole Coast, and from all the States in our Union nearly, and from Europe largely, while our Mechanics' Fair goes a begging for exhibitors.

The difference in the management of Fairs is this, some well managed Fairs labor to develop and *draw out the resources* of the people for public good, and some other managers do all they can to *draw in* all they can to the treasury for *their own good*.

It is just this kind of management last named that has hindered the development of our State, and until we have a change there can be no truly successful Fairs.

THE COMING STATE FAIR.

There is now great preparations making for the coming State Fair at Sacramento, which commences September 8th, to continue six days.

The number of horses entered for the races of course takes a precedence of all else, never before were so many horses of high repute listed for the races as the present year.

A grand military display is to be one of the attractions also, and to this will be added great pigeon shooting matches, and glass ball breaking with yachting and all else that can be added to make an attraction never before equalled, so say our Sacramento press, and the friends of a GREAT TIME.

Undoubtedly the gathering at the State Fair this year will be larger than for many years, and fortunate will it be if the real products of our State shall have a just and fair exhibit.

The State appropriates $5,000 annually for premiums upon legitimate exhibits, but forbid one dollar being given to horse races, as the State cannot take side shows.

We confess to the liberality of the citizens of the "Queen City of the Plains" who have subscribed $3,000 to $4,000 that they may have a good time—Sacramento will be crowded.

Political Tornadoes.

The present whirlwind blasts of partizans of all parties, has shown clearly the dangers which beset institutions of our *City, State* and *Nation*, and the calm dispassionate lover of order and a good government, must deeply regret and sadly mourn the low condition of any party that would give countenance to the course that was pursued by many of the would be leaders of all the parties that have been battling for supremacy and power.

In the presentation of the many candidates for the suffrages of the people how little was thought of the *grand platform* of George Washington; when the names of men for public office were presented to him, his answer was, "Is he Honest? Is he Capable!" these two considerations were the ruling principles of the "Father of his Country" in the selection of candidates for office, but now, alas! it seems to be this: "How will he *work for his party*, and are we sure of being *rewarded* if we *gain* or victory for *him* or *them*?

It is deeply to be regretted that the politics of the day are fallen so low that all the great interests of our State and Nation must be imperilled, and our industrial interests placed in jeopardy. Our Railroad interests assailed, our manufacturing and mechanical interests hampered and crippled, and all public improvements also imperilled by the mad raving of partizans, who, reckless of all these are bound up in their own self-aggrandisement to the *ruin* of all else.

OUR ROPE WALKS.

How few of our miners who use the gigantic cables in their various works, or our farmers who use *tons of bale rope* in hay making business, or our ship owners or masters of vessels, ever go "over the bridge" to the Rope Walks where the rope and cordage each may use is manufactured.

We paid a visit to the works of Messrs. Tubbs & Co. recently and became greatly interested as well as pleased at the magnitude of this manufactory, its great extent, the perfection of its machinery, and the system and order maintained under a most excellent superintendent and his aids.

The Rope Walks are situated just over "Long Bridge," opposite the Ship Yard, a pleasant ride in the cars, and to a place that all who desire the progress of our State by our own manufactures should go and see, to learn and value.

Messrs. Tubbs & Co. deserve great praise for their perseverance and energy in carrying forward so great an enterprise for years amid all the trials which surround such undertakings, and now bringing it up to almost perfection, certainly in the manufacture of cordage of all kind and of all sizes and lengths, equal to any manufactury in any part of the world.

The Rope Walks are some 1500 feet long, or more than a quarter of a mile, passing under the street railroad from the west down to the water side nearly.

Upon entering the brick court yard on the west side, the first attraction is the large warehouse, in which at our visit held some 6,000 bales principally Manilla hemp, there were in stock some 200 bales New Zealand flax, *(phormium tenax)*, this flax should be grown here.

From the warehouse you pass to the engine room, here is one of the Corlis engines of Providence, R. I., undoubtedly as good as the world can produce, of 150 horse power; tubular boilers are used 14 feet long by 50 inches; for the fires Empire screenings are used.

The supply pump is 10 inch tube of great capacity, giving 18,000 gallons per day, this is now drawn from a well in the engine room—but these great works should have an *artesian well*.

The fly wheel is 18 feet in diameter, and the band upon the wheels is 30 inches wide, and this powerful wheel moved by the more powerful engine, carries all the machinery in the brick building we shall name, and the great Rope Walks also where cables 1,000 to 1,500 feet long are made.

The main building is 200 by 50 feet, and the other 100 by 80 feet and two stories high.

The departments of labor are, assorting the hemp in the bales, light from dark colors, for oiling—and 70 bales are oiled per day—two machines are used for the oiling, an interesting process—another process is the tarring the hemp.

In the manufactory are:—

2 large spreaders.
12 small spreaders.
10 draw frames.
150 spinner frames.
14 bale rope machines.
10 layers for small rope.

The number of workmen employed are over 60 in all, and consist of 25 men, 40 boys, and 38 Chinamen—workmen are all paid by the hour, so there can be no trouble about wages, a man is paid for all his time, while ten hours are considered working time and paid for—lost time must be made up.

It is truly a most gratifying sight to witness the movement of this world of machinery, the scores of belts, the myriad of wheels, and the perfect movement of the machines—the best machines that skill, science or art can produce, no rope manufactory in the world can excel these work, in the quality of the machinery used—no expense has been spared to procure the best—and with the best implements and the best material to work with, the very best rope is sent out.

We saw the raw material from the bale pass on in its many changes until we saw the simple strand of hemp march on until it came out in neat shiny coils of finished rope—and again coils of large size were united, doubled and twisted in the great Rope Walks until a gigantic cable lay before us completed 1,300 feet long, (the size of a man's arm), or 6 inches in diameter.

Our hay makers may know that Messrs. Tubbs & Co. can supply them with a bale rope, better than wire and safer, as this manufactory now turn out from 90 to 100 coils per day, of 55 pounds per coil, and its value now 14 to 14½ cents per pound.

This manufactory is one of the best systematized we have visited and is under perfect order throughout.

Wm. G. Spinney, Esq., General Superintendent.
Wm. Anderson, Engineer.
J. B. Fulton, Foreman of Spinning Room.
Charles Zalm, Foreman of Rope Walks.

We were under obligations to the different Superintendents of departments for showing us the minutae of the works, and return them our thanks.

We can repeat, the State is indebted to Messrs. Tubbs & Co. for what they have well and nobly done to advance the cause of home industry, and we trust they will find in an increasing trade a good reward for their years of care and labor.

There is a splendid display of cordage of all kinds from these Rope Walks at the Pavilion that all should see.

PACIFIC COAST.

CALIFORNIA STATE FAIR.
FAIR AT SACRAMENTO.
Commences Sept. 8—Continues 6 days.

MECHANICS' FAIR.
FAIR AT SAN FRANCISCO.
Commencing August 5—Continues about 1 month.

OREGON STATE FAIR.
FAIR AT SALEM.
Commences Sept ——Continues — days.

NEVADA STATE FAIR.
FAIR AT RENO.
Commences October 7—Continues 6 days.

Thanks to the proprietors of the Cremone Gardens for several invitations to places of amusement and cards for Steamer Excursions on the Stephen Whipple to the Gardens at Martinez.

AGRICULTURAL FAIRS,

FOR THE YEAR 1879.

FOREIGN FAIRS.

AUSTRALIAN INTERNA'L EXPOSITION.
FAIR AT SYDNEY.
Commences Sept. 1—Continues 6 months.

CENTRAL CANADA FAIR.
FAIR AT GUELPH.
Commences Sept. 15—Continue 5 days.

ONTARIO PROVINCIAL FAIR.
FAIR AT OTTAWA.
Commences Sept. 22—Continues 6 days.

THE OLD STATES.

AMERICAN POMOLOGICAL SOCIETY.
FAIR AT ROCHESTER, N. Y.
Commences Sept. 17—Continues 3 days.

AMERICAN INSTITUTE FAIR.
FAIR AT NEW YORK City.
Commences Sept. 15—Continues 16 days.

NEW ENGLAND FAIR.
FAIR AT WORCESTER MASSACHUSETTS.
Commences Sept. 2—Continues 4 days.

MASSACHUSETTS HORTICULTURAL FAIR
FAIR AT BOSTON
Commences Sept. 9—Continues 4 days.

MAINE STATE FAIR.
FAIR AT PORTLAND.
Commences Sept. 16—Continues 4 days.

CONNECTICUT STATE FAIR.
FAIR AT HARTFORD.
Commences October 14—Continues 4 days.

VERMONT STATE FAIR.
FAIR AT MONTPELIER.
Commences Sept. 9—Continue 3 days.

RHODE ISLAND STATE FAIR.
FAIR AT CRANSTON.
Commences Sept. 9—Continues 3 days.

NEW YORK STATE FAIR.
FAIR AT UTICA.
Commences Sept. 8—Continues 5 days.

NEW JERSEY STATE FAIR.
FAIR AT WAVERLY.
Commences Sept. 3—Continues 6 days.

DELAWARE STATE FAIR.
FAIR AT DOVER.
Commences Sept. 22—Continues 7 days.

OHIO STATE FAIR.
FAIR AT COLUMBUS.
Commences August 25—Continues 5 days.

PENNSYLVANIA STATE FAIR.
FAIR AT PHILADELPHIA.
Commences Sept. 8—Continues 13 days.

ARKANSAS STATE FAIR.
FAIR AT LITTLE ROCK.
Commences October 20—Continues 5 days.

ILLINOIS STATE FAIR.
FAIR AT SPRINGFIELD
Commences Sept. 29—Continues 7 days.

INDIANA STATE FAIR.
FAIR AT INDIANAPOLIS.
Commences Sept. 20—Continues 7 days.

ST. LOUIS FAIR.
FAIR AT ST. LOUIS.
Commences Sept. 22—Continues 20 days.

VIRGINIA STATE FAIR.
FAIR AT RICHMOND.
Commences October 28—Continues 4 days.

NORTH CAROLINA STATE FAIR.
FAIR AT RALEIGH.
Commences October 14—Continues 6 days.

WISCONSIN STATE FAIR.
FAIR AT MADISON.
Commences Sept. 8—Continues 5 days.

MICHIGAN STATE FAIR.
FAIR AT DETROIT
Commences Sept. 15—Continues 5 days.

NEBRASKA STATE FAIR.
FAIR AT LINCOLN
Commences Sept. 8—Continues 5 days.

MINNESOTA STATE FAIR.
FAIR AT ST PAUL
Commences Sept. 1—Continues 6 days.

MINNESOTA AG. & MECH. ASSOCIATION.
FAIR AT MINNEAPOLIS
Commences Sept. 1—Continues 6 days.

GEORGIA STATE FAIR
FAIR AT MACON
Commences October 27—Continues 5 days.

MONTANA STATE FAIR.
FAIR AT HELENA.
Commences Sept. 29—Continues 6 days.

CHICAGO AGRICULTURAL FAIR.
FAIR AT CHICAGO
Commences Sept. 3—Continues 16 days.

COLORADO STATE FAIR.
FAIR AT DENVER.
Commences Sept. 23—Continues 5 days.

IOWA STATE FAIR
FAIR AT DES MOINES.
Commences Sept. 1—Continues 5 days.

SOUTH CAROLINA STATE FAIR.
FAIR AT COLUMBUS.
Commences November 11—Continues 5 days.

TENNESSEE STATE FAIR.
FAIR AT NASHVILLE.
Commences Sept. 30—Continues 6 days.

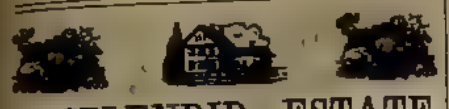
LOUISVILLE HORTICUL' EXPOSITION
FAIR AT LOUISVILLE, KY.
Commences Sept. 2—Continues 16 days.

KENTUCKY INDUSTRIAL ASSOCIATION
FAIR AT FRANKFORT, KY.
Commences Sept. 2—Continues 4 days.

COUNTY FAIRS.

S. C. HORTICULTURAL SOCIETY.
FAIR AT PAVILION, LOS ANGELES.
Commences October 20—Continues 6 days.

UPPER SACRAMENTO DISTRICT.
FAIR AT CHICO.
Commences Sept. 30—Continues 5 days.



A SPLENDID ESTATE.

One of the finest estates on this coast can be purchased on the most liberal terms and at truly advantageous rates, offering to any gentleman, of means and taste, a rare opportunity to secure to himself an elegant location all ready made, with ORCHARDS, VINEYARDS, ORANGERIES, and GARDEN GROUNDS, all yielding a large income from the sale of Fruits, Wines, and other products annually.

This estate comprises from 300 to 350 acres of the finest land on this coast, admirably located, between well sheltering hills, in as beautiful a valley as can be found, and isolated from any other landholders, thus giving a true principality and a royal domain.

The reason of sale now is, the desire of the owner to retire from so active a duty and so great a charge, to one of many years, as the care of such an estate demands, when the gathering of Fruits, marketing the same, the making of Wines, that the proper care of Orchards, Vineyards, etc., requires.

The income of this estate approximate to $20,000 annually, and to a company, or to any person, who will give due and proper care to such an estate, the whole property could be made with the income and profits in four or five years.

No description of this estate would do it justice, it must be seen during its heavy bearing crops to be appreciated, and now is the time for any person who wishes to secure a splendid and beautifully located country home to visit and examine the estate.

There are at present on the estate a neat cottage, wine and fruit houses, stables, etc., with ample surroundings for making a truly modern beautiful home.

What an opportunity for a truly prosperous enterprise in fruit raising and fruit preserving, and the leading fruits for export, both for fresh and dried, and also for wine making.

We give the proof of what a solid foundation there is on this estate for such an enterprise, by showing the extent and the number of trees now in bearing upon this fine estate, in the following data.

The Vineyard is one of the best in this State as to the selection of the vines and the variety, and to their present health and bearing state, being in their very prime. The Vineyard covers 35 acres, and is most perfectly located, so as to receive the morning sun.

The Orchards are most admirably located, trees are the choicest, all in the most perfect health and in full bearing, and their numbers, near as possible, are as follows;

Cherry	1,500
Pear	300
Apple	700
Peach	700
Plum	300
Quince	200
Pomegranates	60
Almond	50
Fig	50
Walnut	70
Orange, large	50
Orange, small and new	750
Vineyard named above, acres	35

A beginning and a basis for a splendid Orangerie of great value with the young Orange trees named above.

This immense collection is the grand basis of a fortune.

Here there is the foundation for a grand enterprise for raising choice fruits for our markets.

For making Raisins for export

For Drying and Preserving for export.

For exporting Fresh Fruits East.

And for making Wine.

To a company of young, active, enterprising men, perhaps four, who should each assume the head of different departments, viz:

One for Market Fruits

One for Raisin Making

One for Wine Making.

And one, a General Manager, to employ and pay men and superintend the labor department—such a division of labor making a certain success for all.

Here with a reasonable capital of some $15,000 in hand, a property of more than $60,000 could be controlled and could be made and cleared in less than FIVE YEARS.

The location of this property for beauty of scenery, for excellence of position to many markets, at home and abroad, is unequalled, and the reputation of the fruit grown on this estate is so famed that the highest price is always obtained for fruits bearing the name of these orchards.

Now then, in times like the present is an opening for a splendid enterprise, the reason of the sale of this estate is the declining health of the owner and his advanced age.

The title to this estate is the most undoubted, and clear proof of the certain success of the prosperity of such an enterprise to energetic and capable men, can be clearly made manifest.

All particulars can be had by *bona fide* purchasers, by addressing EDITOR FARMER.

Australia and New Zealand!

IMPORTANT INFORMATION.

Just Received at this Office

CLARKE'S

ILLUSTRATED QUEENSLAND

ANNUAL.

Containing valuable information relative to that great and wealthy section of country, and of importance to our Merchants, especially to all who do business with that country.

THE

Queensland Almanac.

LAW CALENDER AND DIRECTORY

FOR 1879,

For Brisbane, Queensland.

TWENTY FIRST YEAR OF PUBLICATION.

A complete Directory of all the Interests of Queensland—A valuable work of over 500 pages.

Price, $1.50 Mailed.

For sale at THE CALIFORNIA FARMER Office, Warren & Co. Agents for Publishers.

NEW VALUABLE SEED.

SEED OF THAT IMPORTANT TREE KNOWN AS THE famed BLACK WATTLE TREE, from which is gathered bark for Tanners' use in Australia, can be grown in California with great profit. More than fifteen thousand tons per year of the bark of this tree is gathered and used in the Australia colonies with great profit. Our farmers should look to this tree and have it grown in California for FARMERS use, and thus encourage HOME INDUSTRY. Fresh seed just recived and for sale at FARMER OFFICE, 320 Clay Street San Francisco.

SAVE YOUR EYES.

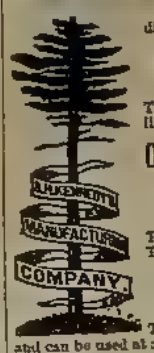
AMONG THE MANY AND WELL ATtested virtues of the Eucalyptus Remedials, its great and invaluable agency in benefitting the EYESIGHT is one of its prominent features. By careful tests made by persons having WEAK EYES, and persons even of an advanced age, who have used "Clarke's Concentrated Fluid Extract" for the eyes as a bath the most astonishing results have been attained, weak eyes have been entirely cured and aged persons have had their sight so greatly improved as to do away with glasses. This liquid is for sale at the FARMER OFFICE, the American Agency, 320 Clay Street.

S. H. Kennedy's Mf'g Co.

MANUFACTURERS OF

SHEEP DIPS.

The Largest of the Kind in the U. S.



Please Examine the list of the differen dips and prices, viz:

Dissolved Sulphur Dip,

Price, $2.25 a gallon,

This is equal to 30 pounds the best Sublime Sulphur.

Concentrated Extract of Tobacco Dip,

Price, $2.75 a gallon,

This is equal to 40 pounds best Leaf Tobacco.

Non-Poisonous Dip,

Price, $2.25 a gallon,

This is our Favorite Dip, as it Cures Scab and can be used at any degree of strength with safety.

HEMLOCK POISONOUS DIP,

Price, $225 per gallon,

And is the Best Poisonous Dip in Use.

EACH GALLON OF THESE DIPS

Will make enough for 225 Sheep After Shearing.

Put up in One and Five Gallon cans with full directions for use.

Pamphlets sent Free to any Address.

Sold by all Principal Dealers in the United States.

S. H. Kennedy's Mf'g Co.,

OMAHA, NEB.

FALKNER, BELL & CO.,

SAN FRANCISCO,

Agents for California and Oregon,

49:15

Sydney International Exhibition.

ROUND THE WORLD TICKETS.

THE PACIFIC MAIL STEAMSHIP COMP'Y

Will issue **Round the World Tickets.** giving first-class accommodations for the entire route, at the low price of $650. For particulars apply to

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The most complete assortment in the West. A particularly fine lot of **Standard Pear Trees.** Also a superb lot of as healthy **Peach Trees** as were ever grown. Full stock of *Apple, Plum, Pear, Peach, Cherry, Quince*, etc. A select lot of *Grapes, Raspberries, Gooseberries, Currants, Strawberries*, etc. An immense stock of **Greenhouse Plants.** *Trade-List* and *Greenhouse and Bulb Catalogues* free. Correspondence solicited. 25th Year. 400 Acres. 15 Greenhouses.

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Pressed Hops in ¼, ½, and 1 pound Packages.

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SAN FRANCISCO. 49:14

MECHANICS' FAIR,

SAN FRANCISCO, CAL.,

OPENS AUGUST 5, 1879.

SCIENCE, ART, INDUSTRY AND NATURAL PRODUCTIONS will be fully represented.

GRAND INSTRUMENTAL CONCERT each afternoon and evening. MACHINERY IN MOTION, RARE PAINTINGS, FINE STATUARY, A TROPICAL GARDEN, FOUNTAINS and PROMENADES will make this Exhibition the most instructive and pleasant place of resort on this coast.

Those desiring space should apply at once.

Office 27 Post Street

IRVING M. SCOTT, President.

J. H. CULVER, Secretary. 49:13

SEND THE FARMER ABROAD.

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, to send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a JOURNAL as the CALIFORNIA FARMER. We know our JOURNAL is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the HOME CIRCLE everywhere, as a JOURNAL free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, SPECIAL PREMIUMS OF SEEDS are donated with the paper, to benefit our State.

DEERE & COMPANY,

MANUFACTURERS OF THE

JOHN DEERE MOLINE PLOWS.

MOLINE PLOW WORKS.

11-INCH STUBBLE PLOW.

THE WORLD'S FIRST PRIZE AT THE VIENNA EXPOSITION IN 1873.

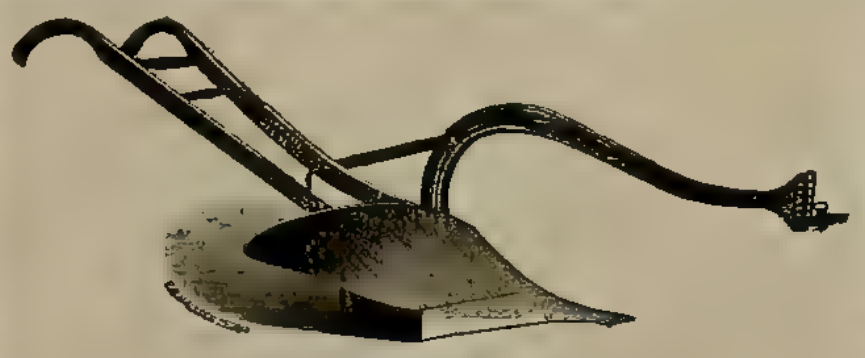
The points sought for in plows are steadiness of run, ease of draft, perfect work, and durability—and these important considerations we think we have secured to our plows. This was so decided by the Committee at the Great Vienna Exposition, who awarded the prize to our plows.

THE DEERE GANG PLOW.

Its ingenious construction and simplicity are shown in the fact that by *one lever* it is operated to any required depth. Opens up the first furrow and finishes the land by simply moving *the lever* from one notch to another, the plows maintaining a level position at all depths, and by pressing the same lever outward until it locks into a lug on the hub, the plows are carried clear of the ground by a half revolution of the wheel.

Its strength and durability are shown by merely stating that it is all *iron and steel*; and although there are many lower priced Gangs than ours, its cheapness is demonstrated by its greater durability and superior adaptation to the purpose for which it is designed. The DEERE GANG has an advantage over others, also in its lightness of draft, as has been proved in many dynamometer tests, and the many farmers having them in use have become satisfied, by comparative *team tests*, that no draft is added by the weight of frame and driver, and this is accounted for by the well known fact that a heavy load can be carried on wheels easier than a lighter one can be dragged on the ground.

The principle on which the DEERE GANG is constructed is such that the tendency of the plows to run at greater than the required depth is arrested by *the lever*, and the weight of plows and earth upon them, as well as that of the frame, is transferred to and carried by the wheels.



IRON BEAM PLOW.

The stickiest soil will not adhere to the working surface and more and better work can be accomplished with them each day, with ease to team and plowman, than with the plows of any other make.

They have been awarded the highest prizes ever offered in the country on plows, and have successfully carried off the prizes offered by the agricultural societies of the different Western States, and last season was awarded the GRAND PRIZE in field trial at the PARIS EXPOSITION, besides many prizes at other European trials of lesser note.

DEERE & COMPANY,

MOLINE, ILLINOIS, U. S. A.

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

Full Directions for Use Accompany every Box.

AND

CLARKE'S

Concentrated Compound Fluid Extract

OF

EUCALYPTUS

Clarke's

LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1872.

To MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed *good health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON.

LONDON BOARDING HOUSE, ALBION STREET,

WARWICK, September 23, 1874.

To MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)

JOHN GREEN,

Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus:

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir*:

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,

GALEN CLARK,

Commissioner Yosemite Valley.

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, coming from so high a source, we feel it a duty we owe to the public to give it the following letter.

SANTA CLARA, SANTA CLARA COLLEGE.

COL. WARREN—*Dear Sir*:

Heretofore we have had no occasion of trying the Eucalyptus Medicines, in Pills or Liquids, but we have commenced to use them, and we find them very beneficial, some of our Fathers find a great relief in their complaints; the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare. Yours respectfully,

A. CICHI, S. J.

At later date we received the following, another proof of the virtue of this Medicine:

The Pills we find to be a mild and beneficial cathartic. The Liquid Extract is a valuable Blood Purifier and a good appetizer. A. CICHI, S. J.

The above from Prof. Cichi, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedial.

We have the names of scores of well known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you Davis Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY

David Clarke.

Manufacturing and Wholesale Chemist,

AT HIS LABORATORY,

Warwick, Queensland.

FOR SALE BY

WARREN & CO.,

SOLE AGENTS FOR THE

UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

WATKIN'S

NEW SERIES

OF

Yosemite and Pacific Coast Views,

ONLY AT

427 MONTGOMERY STREET

San Francisco. 49:10

Home Miscellany.

"There is no place like HOME.
'Home! It should be Heaven on Earth

GOD SPARE THE SOUTH.

BY CHARLES A. FISCHER.

"Thrice-treble woe!" On ambient air
The afflicted South breathes forth her prayer;
Aye, wounded hearts in mortal anguish groan!
Almighty God, Thou alone canst stay
The sufferers' tears of woe;
This gloomy chaos, O'Angel,
Assuasive balm bestow.

Th' early graves and desolate homes,
Like ghosts, so grim, so misty gray,
Alone remains to mark the spot
Where joy did reign in regal sway.
The orphans' and the widows' grief
Humanity would fain express.
O heal the sufferers' wounded hearts,
The afflicted South pray bless!

O swell the song, awake the lyre!
At heaven's gates, weird lips of fire,
In silvery sounds, so soft, so dear appealing,
Fair Pity breathes her prayer with all her soul of feeling;
Aye, angels at the shrine of God
Now fervently do kneel,
And choral symphonies resound,
Earth's altern sorrows heal.

THE LOVER'S WELCOME.

PHILMORE.

Back once more from o'er the ocean!
Long I've waited here in vain,
Something whispered that I should never
Feel thy fond embrace again.

Did I dream thy love was fading,
While thy form was far away,
Was I faithful!—If I doubted,
I atone for all to-day

Clasp me fondly to thy bosom
Rapture—not my tongue shall speak,
Tell me not in words you love me,
Print it deep upon my cheek.

Hath I deemed that distance changed us,
Though my first fond love was thine,
Passing shadows dim the sunlight,
Still the sun must ever shine.

Never more will we be parted,
Never more our loves be tried,
Take me darling, thine forever,
Claim your faithful, loving bride.

Clasp me fondly to thy bosom,
Let me rest my weary head,
Let my heart respond to thy love,
Let our loving souls be wed.

DREAMING OF CHILDHOOD AND ITS KINDRED ASSOCIATIONS.

TO A YOUNGER SISTER.

BY J. H. D——E.

I.

How oft with joy in fancies' pleasant dreams
Do we live o'er again those happy scenes,
Fond memory clinging,
The merry voices ringing,
As in those happy halcyon days of yore—
Childhood's hours, gone, alas! forevermore.

II.

And as the thoughts still love to wander,
So our hearts do well and ponder,
On that far distant land,
With its happy family band;
Where we passed in joyous merry glee
Childhood's brightest hours, blithe and free.

III.

'Twas there we saw a noble father, loving mother,
Gentle sisters and kind brothers—loving one another;
Ere the vision passed away,
All too bright with us to stay;
Leaving us to mourn in sorrow and regret
Those happy, happy days, we never can forget.

IV

Yes the vision's gone; it fled with our awaking,
While the absent heart is ever sad and aching;
Yet the early morning
Ever brings its warning
To arouse and fight life's battle for the day,
Carrying us from cherished memories far away.

V.

And thus we live, and think, and dream—
As we journey down life's rapid stream—
On the present, of the past,
While our lives may last,
Of that meeting in the Eternal Home of Love!
Blessed re-union! In the bright realms above!

THE LIFE OF SONG.

Is there any thing on earth,
Where the strongest are not strong,
Half so feeble in its birth,
Or so sure of death, as Song?
Frailer blossom never grew,
Potted by the summer rain;
Lighter insect never flew—
Scarcely come ere gone again!
Children, who chase butterflies,
May pursue it, to and fro;
Little maids who sigh, "Heigh-ho!"
May deplore it, when it dies;
Loftier deeds to men belong—
Larger life than Song!

There is nothing on the earth,
Where so many thing are strong,
Half so mighty in its birth,
And so sure of life, as Song.
Never pine on mountain height
So the thunder-bolt defies;
Never eagle in his flight
Soars with such undaunted eyes!
Conquerors pull empires down,
Think they will not be forgot;
But if Song pursue them not,
Time destroys their dark renown:
Nothing is remembered long
But the life of Song!

There are inscriptions on all human hearts, which are never to be seen, except at low, dead tide.

Home Correspondence.

LEAVES FROM PINE FOREST

RIVERSIDE, Loyalton, July 20, 1879.

COL. WARREN—*Dear Sir:*

This is a beautiful day. The sun is down in the western slope of the horizon. I've tucked all my cares under the kitchen table, stolen away for a few moments of contemplation and reverie in the cool shade of the overhanging willows that fringe the cool mountain streamlet which dashes by my doorway. My mind is running way back through the mist and haze of dull creeping years, yes, way back into the days that were golden. I've thought time and time again what a joyous, ecstatic and forgiving disposition the good editor of the FARMER must have to forgive my carelessness in corresponding, and the many human faults which at the eleventh hour I'm willing to confess.

The smoke of the city has cleared away, I've wondered where the *Col.* was now and his old Correspondents might have been, on that natal day I attended a ball where about three hundred participated, guess where it was, I only went to, "Shady Nook" now Jack Campbel's place. You have not forgotten "Alice's" old home and writing your most happy and felicious sentimepts both in prose and poetry in the little Sanctum—which now like other many earthly hopes and aspirations, is quite tumbled down, they are things of the past and live in memory only. A beautiful hotel of every modern convenience and pleasing accomodation have been added, with a bathing establishment and everything first-class order, from the cellar to the roof, the sulphur springs of Sierra Valley are a certainty, even if the grasshoppers have destroyed for two years everything far and near, and regular Kansas devastations have followed in their wake. Mr. and Mrs. Campbel deserve much praise for their untiring devotion to their friends on this memorable occasion. Those good and worthy people have made many a life long friend for their urbane kindness, and we predict a happy and prosperous future just ahead, for the uneven journey of life.

I must not forget to mention the great basket of flower seeds, the generous donation from the FARMER Office; when I opened the huge package I exclaimed what on earth is this? some preconcerted plan to blow up the house—peering in cautiously said I, this is a young alligator or glycerine, pshaw! I found out to my infinite delight the double petunias could be nursed into flowering beauties; the envy and admiration of the whole neighborhood; but in an evil hour, as if by magic they disappeared root and branch one by one. I might have said naughty things when I found out Mary our old bell-cow had made a dinner of them in my absence from home, I forgave her, for the euphonious name we presented her with when a wee bit of a calf.

Tell Jennie Dare she had better be hunting up strange snipes and birds under "lone hedges" then to just intimate "Alice" has kissed the "Blarney stone at the aforesaid Blarney Castle." Oh! just to think of the modus operandi, Jennie, when the situation of that magical rock is near midway of the whole establishment—and if you could just step into my parlor you could discern Johnny Bull looking out from two or three picture frames—frowning you down on the bare supposition that Alice had lived in the Emerald Isle, eaten garlic, burnt peat in a stick chimney or gathered shamrock, the green crest emblem; who wrote in the Jan. *Nos.* of the FARMER a poem to Alice—I do not forget the writer or the tender poem, to make my heart glad amid the sorrow and gloom ever around about me.

By, by Jenny. ALICE.

WOMAN'S NOBLE WORK.

Mrs. Mary A. Livermore's Massachusetts Woman's Christian Temperance Union has chosen a committee to prepare a circular to be presented, embracing a petition that women be allowed to vote on all matters pertaining to the liquor traffic. Committees have been also selected to arrange four meetings, to be held next fall, just before the caucuses, with the object of securing the nomination of none but temperance men for the Legislature. A circular detailing the steps necessary to be taken by women who wish to vote for school committee at the next election, and urging women to avail themselves of their right, was adopted.

Three ladies are competing for the office of State Librarian in Kentucky. Mrs. Bush, who has filled the office to the entire satisfaction of all interested for two terms; Mrs. Hanson, who also has a large circle of friends, and Mrs. A. Hawthorne Mudd of Louisville, whose husband died with yellow fever last fall. A personal acquaintance with the latter justifies our hoping that she will prove the *successful candidate.*

The new law of Massachusetts allowing women to vote on educational questions is finding prompt response from the women of highest culture. They must conform as citizens to the common law; if not already registered as a tax-payer, having no taxable property, must be assessed for Poll-tax. In Malden at a meeting called for the purpose, twenty-four out of thirty women voted to apply for assessment.

Miss Bancroft, Dean of the Young Ladies' College, Evanston, Ill., who has won for herself so much praise from all quarters for her ability and scholarship, and her plain, sensible style of dressing, is a graduate of Syracuse University.

Lackawanna County, Pa. has just elected a lady for County Superintendent, Miss H. Evelyn Brooks. Salary, $1,000 a year. Her success should encourage lady teachers to renewed diligence, in their profession.

It is said that Mrs. Louis Agassiz and Miss Alice M. Longfellow are among the ladies who have been most actively interested in the movement to obtain the admission of women into Harvard College.

MILK ITEMS.

I quote from Dr. Henry A. Mott Jr., Adulteration of Milk. The amount of water added by milkmen ranges between 10 and 56 per cent. Dr. Chandler, from numerous and valuable investigations of the milk supply of New York, concluded that the average milk sold consisted of three-quarters milk and one-quarter water. The 120,000,000 quarts of milk sent annually to New York receive an addition of 40,000,000 quarts of water, which sold at 10 cents per quart brings $4,000,000 per annum, or $12,000 per day.

And I regret to add that many of the cows yielding this milk are forced to drink foul water. That watered milk robs children of a proper proportion of their accustomed nutriment, is a fact, not controvertible; but it does not tell the whole truth. Children fed by *rule* on such milk may and doubtless are half starved. And a child in this condition is infinitely more liable to contract disease, and far less able to resist that disease in an enfeebled state than children in robust health and with a sound constitution.

Milk from a diseased cow, or from bad food and bad water will cause, and does cause sickness in thousands of children in this city. And added to this privation, the poor tenement-house children, deprived of light and air, and suffocated with sewer gases must succumb under a depressing temperature of from 85 to 98 deg. F. and suffer and die by scores and hundreds.

Milk from newly calved cows and those sick and feeble from lack of pure air and good food, rapidly decomposes and irritates the delicate digestive organs of feeble children, causing sickness and premature death.

Read before the Farmer's Club of the Am. Inst June 10, 1879, by A. S. Heath, M. D.

Formation of Character.

The Rev. Phillips Brooks, in a recent sermon, used the following practical language:—"If somebody should give me a diamond to carry to Europe, I can know exactly how much would be lost to the world were I to drop it into the sea; but if a seed should be given to me, I can only regard it with awe as containing concealed within it the food of untold generations. That is the difference between looking at truth as a diamond or as a seed—as final or germinal. In all training of character continuity and economy must be supreme. The notion that character is spontaneous is held by most people in the earlier portion of their lives, and is wrong too. Hosts of young men think that their character will form of itself, and that they will necessarily become better as they grow older. Hosts of old men believe that their character is fixed and that it is impossible for them to become better. Such beliefs are foolish. People are also wrong in thinking that they can put off their bad traits and put on good traits. The old failures can not be thus transformed, but out of the old habits new can be formed. This is what many a poor creature wants to know. We must make what we are to be out of what we are already."

The Blessing of God.

Said a Christian gentleman and a poet to a lady whose productions he was reviewing: "Do you seek *the blessing of God on your efforts?*" and added, "I never write any thing without asking His guidance; not for my own honor, but for His glory." What a noble principle of action! How worthy of imitation by all who by the pen seek to reach the hearts of others! Under His guidance the pure, white page would never be tarnished by one vile thought, profane expression, or concealed error.

Pure are the thoughts emitted from the skies,
And pure the words that from pure fountains rise.

God has given us intellectual powers capable of cultivation and expansion; powers that can send forth an influence for good or evil over all with whom we come in contact. That distinguished English clergyman, Leigh Richmond, counseled his daughters in all their intellectual efforts, to seek help from God. Heaven marks out for each one a path in which to walk, a sphere in which to labor. Following his teaching, the essayist may send forth thoughts that will live for good through all time, and the poet breathe in burning numbers, strains to reach the heart, sustaining, soothing, and encouraging in many a dark hour.

To Attain Long Life.

He who strives after a long and pleasant term of life must seek to attain continual equanimity, and carefully to avoid everything which too violently taxes his feelings. Nothing more quickly consumes the vigor of life than the violence of the emotions of the mind. We know that anxiety and care can destroy the healthiest body; we know that fright and fear, yes, excess of joy becomes deadly. They who are naturally cool and of a quiet turn of mind, upon whom nothing can make too powerful an impression, who are not wont to be excited either by great sorrow or great joy, have the best chance of living long and happy after their manner. Preserve, therefore, under all circumstances, a composure of mind which no happiness, no misfortune, can too much disturb. Love nothing too violently; hate nothing too passionately; fear nothing too strongly.

Tea to Preserve Beauty.

A new tea has (says the *European Mail*) just been introduced into Paris which has the virtue of preserving the brilliancy and beauty of early youth up to the ripest age. This tea is called the Serkys tea. It is composed of exquisitely refreshing and balsamic plants, growing on the foot of the mountains of Mecca and Libanus. It has the property of rendering the skin firm and soft, and gives a youthful and fresh color to the complexion. It is, moreover, so pleasant to the taste that the sultanas of the East make it their daily and favorite beverage. This tea was first discovered by the Dervish Cheikh-Omar, who made it known to the Sultan Osman I. It was Cheikh-Omar, also, who made known the celebrated Mocha coffee to his Sultan. In France it was known during the reign of Louis XIV., and perhaps it was owing to this preparation that all the women of that period were young and beautiful. The Serkys is made like any other tea. It is infused for about five minutes, and drank hot. The tea-leaves, afterwards well stewed down, form an excellent *eau de toilette* for the bath.

HOUSEWORK THAT MAY BE DONE SITTING.

Dishwashing, bread and pastry making, ironing, window cleaning. I have been told that the house of Mr. Edison, the wonderful inventor, is a museum of labor-saving contrivances; but in its multitude of labor-saving contrivances Mr. Edison is not the inventor of a high stool for the kitchen, which humble piece of furniture, when properly introduced into the economy of the work, will prove to be a source of salvation to many a woman tired to death from being so much on her feet. One can do with ease all the above enumerated tasks, which are usually done in a standing posture, and the facility in working while seated upon a stool is, of course, greatly increased by practice. With an ironing-board well adjusted at both ends, and high enough so that the knees will pass under it, one may do a large ironing, only rising to change the iron. And if one is too much of an invalid for that she can have a small charcoal stove, which will heat the irons, placed at her hand. With such contrivances ironing becomes "fancy work," for a lady may do it in her parlor with ease. The charcoal or kerosene stove is very nice for "doing up" fine and elaborate pieces that require much time and skill. An improvement on the ordinary high stool or low is an adjustable top, connecting with the stool top by means of a strong screw, by which the second top may be lowered or raised at pleasure, in fact, something like a piano stool, only it should have three or four legs and cross-pieces for the feet to rest upon. Such a stool is especially convenient in cleaning and polishing windows. The reason why very many tired women do not sit more at their kitchen work is because the ordinary chair is too low, and it is impracticable to bring tables and shelves down to the level of chairs. But the high stool and the adjustable stool make the thing pleasant and practicable. —*Rural New Yorker.*

SHYLOCK OUTDONE.

In the present distress in all business circles, one would suppose that it would be the time when forbearance, mercy, and humanity would be exercised by the creditor to the unfortunate who is in debt, but it seems that the *Shylocks* are abroad, and foreclosures, attachment suits and distress for rents are the prevalent order of the day.

Such a policy is a very unwise one for by the distress of the masses the value of property falls; houses and stores to let are increasing, real estate falls and thus the *rich man* is made to feel that his hard course of oppression works to his own loss instead of gain.

Wherein, a kind and lenient course would tend to restore confidence, improve business and make a whole State prosperous.

Recently there appeared in one of our morning papers the case of a creditor who some 15 years ago, loaned $25 to a person (a kindred friend) and took in charge an estate that had an income of $40 per month, yet by the Court Reports that $25 swelled up by compound interest in 16 years to $5,247, and the estate of the widow of the man (who had died) whose little debt could have been paid from a single month's income was swept from her, by foreclosure, but fortunately a little boy at the time of the loan of $25 had grown to manhood, took the case in hand, resisted the wrong to his widowed mother, and an Honorable Judge when the case came before him *rebuked this Shylock,* checked the wrong doer from completing his wrong to the widow and threw the case out of court.

This is one of the many cases that hard times inflicts upon the poor and unfortunate, who fall into the hands of merciless, money-loving and greedy Shylocks.

We think it will not be many years ere *that man* will find himself under the wheel, and the measure he has meted out to others will be returned to him again.

Nerve Tuning.

An Italian physician claims to have made a valuable discovery—one that should be warmly welcomed in this country. It is a method of tuning up nerves, just as the strings of a violin, guitar or harp are tuned up, and of bringing them into such harmony that the nervously disordered person shall be instantly and entirely relieved. The nerves of the human body, in the Italian's opinion, lose their tone precisely as a musical instrument loses tone. If they all run down alike, it is of small consequence, as they will still be in unison. But when some run down completely, some partially, and others not at all, harmony is wholly destroyed, and nervous disturbance and suffering is the necessary result. A great deal of ill health and any number of deaths are directly traceable to deranged, particularly in America, where, owing to the stimulating air, the extremes of heat and cold, the nature of our institutions, and our ever-shifting conditions, with other causes, we are the most nervous people on the globe. The Italian should come to our land and begin his experiments. It offers an admirable field.

Flavor your Tea.

To all who like high flavored beverages, especially a fine flavored tea, let them drop a sprig of *Lemon Verbena* of two or three leaves in the top of the tea pot while the tea is being drawn and they will find they have a new aroma to their beverage they never dreamed of before.

The effect of the Lemon Verbena is very beneficial, removing all wind from the stomach, preventing that nervousness caused so often by tea, and removing all symptoms of dyspepsia, those who use it once will be likely to continue it.

EUCALYPTUS TESTIMONIAL.

BETTER THAN QUININE IN FEVERS.

Extract from a letter from the Rev. George Brown, of New Brittain, to David Clarke, Chemist, Warwick, Queensland:

DAVID CLARKE—*Dear Sir*

During the last sickly season, as it has been one of unusual severity, nearly every foreigner and nearly every member of our Mission has been down with Fever, which was either the Bilious Remittent Fever or Intermittent Fever, in most cases assuming the former type I found your Pills very useful indeed, and both the Teachers and Natives thoroughly believe in them. * * * * I have found your Eucalyptus Extract very useful as a tonic after the first violent symptoms of the fever has been subdued, and in one case lately it seemed to do good when I could not succeed with tonic doses of Quinine. I mean to try it fairly in one or two cases when I can see it administered regularly myself. * * With kind regards, I am Dear Sir,

Yours truly, GEORGE BROWN."

SHERMAN & HYDE,

WHOLESALE AND RETAIL

MUSIC DEALERS,

CORNER KEARNY AND SUTTER STS.,

San Francisco.

WEBER PIANOS

.... ARE ....

THE BEST.

What the Great Musicians and Singers say of them.

NEILLSON. I shall take every opportunity to recommend and praise your instruments.

KELLOGG. For the last six years your Pianos have been my choice for the Concert Room, and my own house.

PATTI. I have used the Pianos of every celebrated maker, but give yours the preference over all.

STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

WEHLI. Madame Parepa called your Pianos the finest in the United States. I "fully endorse," that opinion. They have no "rival anywhere."

MILLS. Amongst the many excellent Pianos made in the city, the Weber ranks foremost.

LUCCA. Your Uprights are extraordinary instruments and deserve great success.

MURSKA. Your Instruments surpass my expectations, and I rank you justly as the Foremost Manufacturer of the day.

GODDARD. Your Instruments have no "superior" anywhere. I certainly have not seen any Pianos in America which approach them even.

The Cottage Gem Piano,

Is 7 Octave Serpentine Mouldings. Carved Legs, and is the BEST PIANO in the market for the price.

$350.00.

The Standard Organ

Has a Beautiful Case, full, rich tone, and for durability

Excels all Others!

.... AND ....

Sheet Music, Music Books,

OR ANY ARTICLE IN THE

MUSIC TRADE,

CALL ON, OR ADDRESS,

SHERMAN & HYDE,
CORNER KEARNY AND SUTTER STS.,
44:21 SAN FRANCISCO.

Santa Clara College, S. J.

SANTA CLARA, CAL.

THE TWENTY-NINTH ANNUAL SESSION OF THIS Institution will be resumed Tuesday, August 5th.

This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It occupies six large buildings with extensive shady playgrounds, covered gymnasiums, swimming pond, etc.

It possesses a most complete philosophical apparatus, and valuable collections of mineralogy and geology. It has also practical schools of Assaying, Surveying, Telegraphy, Phonography, and Commercial business. For the latter a new building 168x40 has just been finished that leaves nothing to be desired.

Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course.

TERMS—(Payable semi-annually in advance) Matriculation fee, to be paid but once ..... $ 15 00
Board, Lodging, Tuition in all branches, Washing and Mending of Linen, School Stationary, Medical attendance and Medicine, Baths, etc., per session of ten months $150 00

For further particulars apply to the President of Santa Clara College, or to St. Ignatius College, 841 Market Street, San Francisco
34-1 REV. A. BRUNENGO, S. J., President

GRAND TRIUMPH FOR EUCALYPTUS.

EUCALYPTUS WILL CONQUER DISEASE.

We publish the following strong TESTIMONIAL in favor of the GRAND REMEDIAL POWER of the Eucalpytus, prepared by DAVID CLARKE, CHEMIST, of Australia.

This Testimonial comes from a prominent Merchant of this City, whose name is with us for reference for all who suffer and would be relieved.

SAN FRANCISCO, April 7, 1878.

EDITOR CALIFORNIA FARMER—*Dear Sir:*

Some time ago I had the misfortune to sustain a dislocation of the shoulder received from a fall, and while I was suffering the most acute pain as the effect of it, so much so as to be deprived of my sleep nights, I met my old friend, Col. Warren, who presented me with a bottle of "Eucalyptus Oil" saying as he did so, "try it." "bathe the shoulder and arm well, and on retiring saturate a cloth with the oil, and bind it to your shoulder, and you will have no more sleepless nights on account of pain from that." I followed the Colonel's directions, and must say that the Eucalyptus Oil will do all that is claimed for it as an alleviator of pain (rheumatic and otherwise) and more too.

A preparation made from the Eucalyptus Trees, by frequent ablutions of the eyes will restore weak eyes to strong ones and positively restore the sight as good as ever to people whose eyes are failing, if they will keep their body in good condition by the use of Eucalyptus Pills—while using the eye wash. Yours truly, G. H. B.

N. B.—There are many compounds made in this State, yet however good, the *genuine* Remedials are those prepared by David Clarke, Warwick, Australia, for sale by Warren & Co., Agents.

WELL AUGER. Ours is guaranteed to be the best in the world. Catalogue free.
W. W. GILES, 149 Clark st., Chicago, Ill.
49:14 6t eot

Miscellany.

Gatherings along the way side,
Floating gems by every tide.

AMERICAN HUMOR.

A NEW EDITION OF MAJOR JONES' COURTSHIP.

The lovers of genuine American humor will be pleased to learn that Messrs. T. B. Peterson & Brothers, the well known Philadelphia publishers, have in press and will shortly issue a new and enlarged edition of "Major Jones's Courtship," a work that has been universally accorded the reputation of being one of the very best humorous books of the century, as since its publication, more than thirty years ago, it has held a position at the head of Peterson's Humorous Library and has passed through numerous editions, having had a larger sale than any other American book of its class. While other books of humor, many of greater pretensions, have had transient popularity and passed into oblivion, the quaint narration of the Georgia rustic's courtship is as fresh to-day and as popular with the present generation of readers as it was with those who first welcomed it to the world of letters over a quarter of a century ago.

This fact, a most practical evidence of its enduring popularity, has induced the Messrs. Peterson to effect arrangements with its accomplished author (our worthy and veteran senior) for the publication of a new, revised and improved edition, embracing new matter, and beautifully illustrated with twenty-one full page engravings. When it is considered that this edition has had the careful revision of the author, will be rendered most attractive by additional scenes and incidents, and will be printed from new plates on fine paper, it is reasonable to predict for it an almost unprecedented sale, surpassing that which greeted its first appearance. The new edition will be a handsome volume, comprising about 300 pages, and will be bound in cloth and paper. In the latter form the price will be only seventy-five cents.

MASHED POTATOES.

Resting over night at a pretentious hotel, and breakfasting heartily there in the morning, was an aged stranger, whose unspeakably seedy attire, while it had been unnoticed in the dark hours of his arrival, excited the dire distrust of the officials of the house, as revealed by light. Sorely suspicious was the superb clerk of the establishment, that the latter was to be wronged of its dues by some trick or plea of this venerable, shabby guest; when the latter having despatched his meal, presented himself at the desk with an admonitory cough, his doubts became a certainty.

"I have had my breakfast," began the aged man, deliberately, and candor compels me to say"——

"Hand over the money, you old rascal," interrupted the clerk, in a rage.

"As I was saying," resumed the stranger placidly, "candor compels me to inform you"——

"Call a policeman!" roared the clerk to a bell-boy. "We'll have our twelve shillings, or you go to the lock-up."

The boy started on his errand without apparent advice from him of the seedy costume, who, taking his own time to draw forth, from some obscure pocket, a vast and greasy wallet, quietly repeated:

"As I was saying—I have had my breakfast—here's your twelve shillings; but candor compels me to inform you that them mashed potatoes was lovely—perfectly lovely, sir; and I don't mind throwing in a shilling extra for 'em."

Change of Diet.

A member of the sanitary police force came across a boy the other day who was wheeling home a load of oyster cans and bottles, and curious to know what use the lad could put them to he made a direct inquiry.

"Going to throw them over into our back yard," replied the boy, "I took two loads home yesterday."

"But what do you use 'em for?"

"It's a trick of the family," grinned the lad.

"How trick?"

"I'd just as lief tell," continued the boy," as he spit on his hands to resume his hold on the barrow. "We're going to have some relashuns come in from the country. We may not have much to eat, but if they see these cans and bottles and boxes they'll think we've had inters, champagne, figs and nuts till we've got tired of 'em and are living on bread and taters for a healthy change!"

The officer scratched his ear like a man who had received a new idea.

A Sagacious Dog.

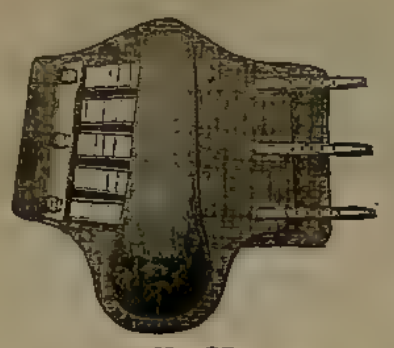
Two gentlemen who were passing a house in Worcester, Mass., recently, were attracted by a large Newfoundland dog which kept running toward them and then returning in the direction of a pond in the grove, where something was evidently wrong. They followed the dog to the pond, where they found another dog in the water and unable to get out. His front paws were on the embankment, but he could not get sufficient hold to draw himself up. He was nearly exhausted, and would probably have been drowned had not the gentlemen assisted him. The dogs showed their gratitude in unmistakable signs.

It's all very well to talk about economy, but the difficulty is to get anything to economize. The little baby who puts his toes in his mouth is almost the only person in these hard times manages to make both ends meet.

MAIN & WINCHESTER

Nos. 214 and 216 Battery Street,

SAN FRANCISCO.



No. 35.

ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47:20

SAN FRANCISCO CORDAGE CO.

ESTABLISHED 1856.

Have constantly on hand a full supply of all kinds of Manila and Sisal Rope—manufactured from the rean Fibres—and by the latest improved machinery. All our Manila Rope GUARANTEED.

HAY ROPE.

The special advantages of Rope for baling purposes, are the uses to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for Halters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when baled with Rope.

FOR SALE BY ALL DEALERS.

TUBBS & CO.,

611 AND 613 FRONT STREET,

SAN FRANCISCO.

49:7

A GOOD PLAN.

Anybody can learn to make money rapidly operating in Stocks, by the "Two Unerring Rules for Success," in Messrs. Lawrence & Co.'s new circular. The combination method, which this firm have made so successful, enables people with large or small means to reap all the benefits of largest capital and best skill. Thousands of orders, in various sums, are pooled into one vast amount and co-operated as a mighty whole, thus securing to each shareholder all the advantages of the largest operator. Immense profits are divided monthly. Any amount from $5 to $5,000 or more, can be used successfully. *N. Y. Baptist Weekly*, September 26, 1878, says, "By the combination system $16 would make $75, or 5 per cent.; $50 pays $350, or 7 per cent.; $100 makes $1,000, or 10 per cent. on the stock, during the month, according to the market." *Frank Leslie's Illustrated Newspaper*, June 29: "The combination method of operating stocks is the most successful ever adopted." *New York Independent*, Sept. 12: "The combination system is founded upon correct business principles, and no person need be without an income while it is kept working by Messrs. Lawrence & Co." *Brooklyn Journal*, April 20: "Our editor made a net profit of $101.25 from $20 in one of Messrs. Lawrence & Co.'s combinations." New circular (mailed free) explains everything. Stocks and bonds wanted. Government bonds supplied. Lawrence & Co., Bankers, 57 Exchange Place, N. Y. 6:10

Farmers' Accounts.

WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer.

A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to all—handsomely got up and finely bound. Price, $2.50, worth ten times the cost. 45:21

New Books—Life Science.

The following valuable new works just received at THE CALIFORNIA FARMER OFFICE, 320 Clay Street, worthy special attention:—

"PLAIN HOME TALK AND MEDICAL COMMON SENSE,"

A most valuable work, one volume, 900 pages, fully illustrated with 200 engravings.

"SCIENCE IN STORY,"

A most interesting volume of nearly 1200 pages, admirably illustrated; Also, "Science in Story" in five volumes, most admirably written and most inviting to every reader and conclusive in the arguments of every story.

These Volumes are all Edited by Dr. E. B. Foote, and issued by the Murray Hill Publishing Company, of Chicago, Ill., and for sale at the FARMER OFFICE.

$1 A BOTTLE

—FOR—

CLARKE'S EUCALYPTUS OIL,

Sure Cure for Rheumatism.

For Sale at 320 Clay Street.

MILK, WINE, CIDER

All kept sweet indefinitely by arresting fermentation. Water the muddiest—made pure and clear as crystal. Enough for ten barrels sent on receipt of "One Dollar." Agents wanted. Address ELSOM'S LABRATORY, Forestville, Chatauque County, N. Y. 49:13

FAMILY FRUIT DRYER.

A VERY ECONOMICAL FRUIT DRYER AND ONE that can be used upon the COOKING RANGE in the family with very little care or attention—easily managed, doing the work perfectly, the best and cheapest Dryer known, can be seen at the office of the CALIFORNIA FARMER 320 Clay Street.

THE BEST WAGON ON WHEELS

IS MANUFACTURED BY

FISH BROS. & CO.,

RACINE, WIS.

WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

USING NOTHING BUT

First-Class Improved Machinery and the Very Best of Selected Timber,

AND BY A THOROUGH KNOWLEDGE OF THE BUSINESS, WE HAVE JUSTLY EARNED THE REPUTATION OF MAKING

"THE BEST WAGON ON WHEELS."

We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ———, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {Treve W. Fish, Edwin B. Fish, Jno. C. Huggins,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. Send for Prices and Terms, and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.

—OR—

GEO. A. DAVIS,

Manfacturers' Agent for Pacific Coast,

327 MARKET STREET,

48:17 SAN FRANCISCO.

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS

To all Parts of the United States.

J. P. FARNWORTH. - - - - - - - - - - M. T. BREWER.

NOW IS YOUR TIME TO ADVERTISE.

ADVERTISERS ABROAD AND AT HOME.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE.

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows: All line advertisements will be One Dollars for Five Lines, or less, Nonpareil, *first insertion*; larger space *Fifteen Cents per Line*, each subsequent insertion, *Ten Cents per Line*. This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the very best medium to reach the best patrons of the agricultural community.

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $20.00.

For one-eight of a column, three months..... $15.00 | For one-half of a column, three months..... 50.00
For one-quarter of a column, three months..... 30.00 | For an entire column, three months..... 100.00

For a single month, half the rates of three months.

For special advertisements and for Advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rates.

WARREN & CO., Proprietors,

320 CLAY STREET, SAN FRANCISCO.

COMMISSION

SALES-ROOM,

—AND—

Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and every article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

BOOKS---SEEDS---TREES

All rare and choice things can always be purchased as above.

Silk and Tea Culture,

A PRACTICAL TREATISE ON

SILK CULTURE,

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 5 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED.

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine Patent Bee Hives of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,

320 Clay Street,

SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Liniment for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Liniment is needed, as it has been proved to be the best Liniment known.

FOR SALE,

Wholesale and Retail,

WARREN & CO.,

320 Clay Street,

AGENTS FOR DAVID CLARKE'S REMEDIALS.

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill*" this we cannot do without CASH, or a special understanding before hand.

WARREN & CO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf (or landing places.

CORRECTED BY EDITOR FARMER

San Francisco, August 22, 1879.

Money and Exchange Tables.

Exc. on England, new style, long and short	4 82½ a 4 85
Gold, at par	— 1 00
Silver, at par, in sums of	—20 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	8s 6½a 9s 6d.
Value of Wheat in Liverpool	9s 4da 9s 8d.
Value of Club Wheat in Liverpool	
Value of Wheat in New York, bushel	1 05 — 1 10
Brewers Barley in New York, bushel	80 — 1 00
Wool in New York	20 — 35

MONEY AND EXCHANGE TABLES.

The *Money Market* of our city and State shows a perfect plethora of capital laying idle for want of employment, and this too with thousands of business men, builders, manufacturers and mechanics that are much in want of this "bread of business" daily

Gold silver and greenbacks are now of equal value, all at par, and the thousand corner brokers are retired gentlemen, their occupation gone.

There is little or no demand for money to buy lands or to build, and business men are careful what they do, no new purchases except from hand to mouth, sales are now made for cash mostly, and as cash is scarce sales are few and far between.

The Banks of England, France and Germany are overloaded with gold, silver and bullion, never before in the history of banking was there so much idle gold.

Our National Treasury is full of gold and silver, the banks East have plenty, and yet trade is dull, money is scarce in trade circles of our large cities, and our farmers and workingmen see but little of the yellow stuff—and so it will be till after election.

Money in Europe is only 2½ to 3 per cent., here just as cheap in large lots—our bank figures 6 to 9 per cent.

GRAIN AND FLOUR MARKET.

The *Grain market* may be said to be more active, as more grain is said to be coming in, and quite large sales of grain have been made for export, price for wheat however have kept quite steady—our wheat harvest is nearly closed and grain in warehouse or in stacks,

A very respectable number of ships have been laden and despatched with grain and flour to Europe, since July 1, 1879, the number of thirty-nine ships with cargoes valued at $2,250,000.

The *Flour Trade* has been fair, millers have been kept active, but our mills will buck against any advance in prices of wheat.

The shipment of flour to China has been of considerable value.

The *Barley market* shows large receipts and quite a dull market with low prices—common coast barley for feed is plenty, while Chevalier for home use or export holds a very good price.

The *market for Oats* and *Corn* are both dull, receipts are fair, with considerable from Oregon, from which also comes considerable flour.

Rye and *Buckwheat* are only nominal in value, and little or no market for either.

The *market for Hay* and all *Feed Stuffs* are now low by reason of a dullness for trade everywhere.

Our *market for Potatoes* is overstocked and spuds are selling low—*Sweets*, fair rates, and *Onions* low in price.

The supply of *Beans* on the market says plenty, and the prices ruling lower.

The *market for Honey* shows the short crop from all quarters down south, and with quite advanced rates in value.

Beeswax remains steady

The *Hop market* has had quite an exciting time, quite a breeze of speculation—the long dull spell has been succeeded by grab on the market sending hops on hand up some 2 or 3 cents advance for old stocks—and securing the new at 13, 15 even 20 cents.

The advance price is abroad as well as at home in all markets.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 40 — 1 50
do Choice do.	1 55 — 1 62
do Milling do.	1 62 — 1 67
Barley, per 100 lbs., feed	70 — 77½
Barley, for brewing, (Chevalier)	1 50 — 1 70
Rye	70 — 80
Oats, California, per 100 lbs.	1 35 — 1 65
Corn, do do.	75 — 82
Flour, Superfine, per bbl	4 00 — 4 25
do. Extra	4 25 — 4 50
Extra Flour for shipping	5 00 — 5 25
Very Extra Family Flour	5 25 — 5 75
Oregon Superfine	4 00 — 4 25
do. Extra for Shipping	4 75 — 5 25
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 20 — 1 40
Bran per ton	14 00 —16 00
Middlings per ton	17 50 —18 00
Ground Barley	18 00 —20 00
Oil Cake Meal, for feed, per ton	—34 00
Beans, per 100 lbs, various	1 75 — 2 50
Beans, Lima	5 50 — 6 50
Potatoes, common	25 — 30
Potatoes choice	40 — 50
Early Rose	50 — 60
Sweet Potatoes	1 40 — 1 60
Onions, new	40 — 70
Hay per ton, ordinary	8 50 — 9 00
Hay per ton, extra	10 00 — 11 00
Wheat Hay	11 00 —12 00
Alfalfa Hay	
Straw per ton	4 00 — 5 00

Retail Prices in the Fruit Market.

The *Fruit market* was never better supplied than at the present time, all the choicest varieties of fruit are coming to market in great abundance, and of the very best quality too, so abundant is the stock generally that it does not pay the grower to stop to gather any but the most perfect fruit for market.

Apples of choice kinds sell at 25 to 40 cents per bushel, Bartlett and Seckle Pears at 75 to $1 per basket, common kind lower, Plums from 30 to 75 cents per box, splendid quality, Peaches fine and very cheap, 30 to 75 per basket, Grapes begin to show the enormous crop that will soon rush upon our market, and sell as low as 25 to 30 cents the box. Figs an overstock all the time and cheap.

Blackberries are not as plenty now, 30 to 40 cents the drawer, Strawberries, more scarce, 30 to 40 cents the drawer, Raspberries gone, Nectarines now come in more freely, price fair

Bananas plenty and cheaper, Oranges from Australia excellent and sell at good prices, they reach our market at a good time when it is nearly bare, Lemons from Australia are fine and sell well, Limes are very plenty and cheap.

The supply of melons is enormous, we have mountains of melons both kinds in mountains in our streets.

The Nut market is well supplied at low rates.

Apples, per box	25 — 75
do. do. lb	4 — 5
Pears, per box	50 — 1 00
" per lb	6 8
Figs, dried, per lb.	12 — 15
Fresh Figs, per lb	8 — 10
Australian Oranges, per doz	40 — 75
" Lemons, per doz	40 — 60
Tahiti Oranges, per doz.	20 — 30
Lemons, imported, do.	30 — 50
Limes, do. do.	20 — 25
Pine Apples, each	50 — 1 00
Bananas, per bunch	2 50 — 4 00
California Oranges, per dozen	10 — 40
" Lemons, "	30 — 50
" Limes, "	15 — 25
Cherries	10 — 20
Strawberries	5 — 10
Raspberries	5 — 10
Currants	8 — 10
Gooseberries	10 — 20
Persimmon	20 — 25
California Walnuts, per pound	8 — 12
Almonds, hard shell, per pound	12 — 15
do. soft shell, do.	16 — 18
Foreign Pecan Nuts	12 — 15
Madeira Nuts	15 — 20
Foreign Brazil Nuts	12 — 15
Filberts	7 — 10
Chili Walnuts	8 — 10
Pea Nuts	

Retail Price in the Vegetable Market.

Our *Vegetable Display* is all that any good housewife could ask, there is no one variety of vegetables now but what is found in our market in abundance and at lower prices than has ever been known in our city, a vast amount grown by our Italian, Portugese and Chinese gardeners, for they monopolize all this trade—literally enormous as any one can see that will visit our markets, the wagons stand in early morning on Sansome street and thence down Washington street to the wharves, where vegetables are shown by or goes.

Asparagus	6 — 8
Artichokes, (French) per doz	15 — 20
Tomatoes, per lb	5 — 5
Beets, per doz	8 — 25
Broccoli, each	8 — 10
Cauliflower	5 — 10
Cabbage, do.	5 — 10
Carrots, per doz	75 — 1 00
Celery do.	— — 75
Celery Root per dozen	10 — 12
Cress, per dozen bunches	60 — 80
Cranberries, per gallon	30 — 40
Dried Herbs, per doz	4 — 5
Green Peas, per lb	10 — 12
Lettuce per doz. bunches	5 — 6
Onions per lb	10 — 12
Horseradish, per lb	8 — 10
Okra, green, per lb	— — 50
Okra, dried, per lb	1½ — 2
Choice Potatoes	2 — 3
New Potatoes	1 00 — 1 50
Potatoes choice, per 100 lbs	2 — 3
Kidney Potatoes, per lb	1½ — 2
Pumpkins	— — 05
Parsnips, per doz. bunches	— — 15
Sarsify, do. do.	15 — 20
Parsley, do. do.	40 — 60
Pickles, per gallon	6 — 8
Radishes per doz. bunches	2 — 3
Rhubarb, per lb	2 — 3
Squash, Marrowfat	2 — 2
do. Hubbard	8 — 10
Limas, Dry	5 — 6
String Beans, per lb.	— — 8
Asparagus per lb	4 — 8
Salsify, per bunch	— — 15
Turnips, per doz	8 — 10
Garlic	15 — 20
Eschalot	5 — 10
Mushrooms	

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea.

Salmon ₩ lb	4 — 6
do smoked new	6 — 8
do pickled, ₩ lb	8 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Halibut	— — 10
Smelts, per lb	— — 10
Perch do.	— — 10
Rockfish do.	— — 10
Codfish, dry, per lb	— — 8
Herring, fresh, per lb.	— — 25
do smoked, ₩ doz	— — 10
Tomcod, per lb	— — 10
Sand ace, fresh, per lb	15 — 20
Solefish, per lb	— — 25
Mackerel pickled, each	8 — 10
Shrimps, per lb.	12 — 15
Flounders do.	20 — 25
Sea Bass do.	40 — 50
Halibut do.	2 — 4
Sturgeon do.	25 — 30
Turbut do.	2 50 — 3 00
Terrapin, ₩ doz.	— — 2 50
Pompono do.	— — 25
King Fish do.	12 — 15
Anchovies do.	2 00 — 2 50
Frogs, per doz.	

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market. Oysters are showing nice and fat and the public appetite now craves this delicious bivalve. Every day a grand show in our market—if you desire the choicest of these luxuries, go to Geo. Mayes in California Market—no change for weeks.

Oysters ₩ 100 choice	60 — 75
Chesapeake oysters per dozen	50 — 75
Crab Fish, per lb	12 — 15
Clams per 100	50 — 50
Mussels do	25 — 25
Crabs, boiled, each	— — 50
do. soft, per doz	

Retail Meat Market.

The *Retail Meat market* furnishes all the choicest kinds at unusually low figures for this season of the year, and is thus an unusual full market.

Porter House	15 — 16
Porter House, extra	18 — 20
Beef, tenderloin, per lb	15 — 16
do sirloin and rib pieces	12 15
do corned	8 — 10
do smoked	10 12
Pork, ribs, etc, per lb	10 — 12
do chops	10 — 12
Veal, per lb.	5 — 10
do cutlet	12 — 15
Mutton chops, per lb, extra	8 — 10
do leg	6 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	6 — 8
Beef tongues, each	— — 75
Pigs tongues, each	— — 15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	13 — 15
Whitaker St. Louis, Mo	15 — 16

Poultry and Game Market.

The *Poultry market* is about even in demand and supply, about equal prices without material change.

There is quite a good display and a fair market only—Venison is not plenty, Rabbits, Hare and Squirrels plenty.

RETAIL PRICES.

Ducks tame each	75 90
Geese tame, per pair	2 00 — 2 50
Broilers	40 — 50
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	25 —
Pigeons, domestic, per doz	4 00 — 4 50
Hares each	25 — 38
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Venison	10 — 15

Poultry and Game—Wholesale.

Broilers, per doz	3 00 — 4 00
Large Chickens, per doz	5 00 — 6 50
Hens, per doz	5 00 — 7 50
Turkeys, dressed, per lb	18 — 22
Ducks, tame, per doz	5 50 — 7 00
Geese tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Rabbits, tame, per doz	1 50 — 1 75
Squirrels, per doz	75 — 1 00
Venison	5 — 8

Retail Dairy Market.

The *Dairy market* shows autumnal influences—a falling off of supplies to the city and an advanced price, the holding back of stock for higher figures and a quiet market, makes prices at advancing rates of butter, cheese and eggs.

Butter, California, Extra Choice per lb	30 — 35
do. do. for (Cooking) do	20 — 25
do. do. packed best roll	25 — 28
do. do. Eastern	20 — 25
California Eggs, per doz	30 — 35
Oregon	— — 25
Duck Eggs, do	— — 30
Farralone Eggs, per doz.	— — 25
Cheese per lb	15 — 20
do Sage, per lb	25 — 30
Eastern Cheese, do.	25 — 30
Lard, California, per lb	16 — 18
Lard Eastern, do.	18
Honey, Comb	12 — 18
do. Strained	8 — 10
Vermont Maple Sugar, per lb	— — 20

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb. (Fresh)	28 — 32
do. Packed Roll, do.	20 — 22
Eastern Butter	18 — 18
Cheese, California, per lb	10 — 13
California Eggs per doz	28 — 30
Eastern Eggs, per doz	24 — 26
Duck Eggs, "	23 — 23
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	13 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging* interest has been quite excited within a couple of weeks, the combination supposing they held all the bags, prices rose to 11½ cents, and prospectively to 12 and 14 cents—but 100,000 here and another 100,000 there, and a surprise coming of 500,000 or a 1,000,000 more bags, caused sales to be attempted at auction, but prices wouldn't suit and lots were withdrawn, and to-day the real mark is 10 to 10½ cents is the top mark, and may be found at less even we think—but even this makes our grain growers pay a large advance above what they would have paid six months ago, a 25 per cent interest for waiting—but even now if they want the best chance to buy—go to Neville & Co., 30 California Street, the best house to buy of.

Hand Sewed Bags, Standard, 22x36 com. prices	10 — 10½ cts.
Second Hand, Extra	9 — 9½ do
Machine Sewed, 22 x 36	8½ — 9 do
do. do 20x38	— — 9½ do
Barley Bags, 22 x 40	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— — 8½ do
Wool-sacks, new	45 — 50 do
do. second hand	30 — 40 do
Potatoe Gunnies, Double Sewed	14 — 15 do
do. do. Second Hand	10 — 10½ do
Flour Bags, quarters	4½ — 5 do
do. Sacks and qualities	7 — 9 do

Staple Home Products.

The rapidly increasing growth and preparation of our fruits for drying and exportation, our raisins, figs, jams, jellies, preserved fruits of all kinds, with our large crops of almonds, walnuts, peanuts, etc., is awaking great attention East and abroad, for we now export largely much that we formerly imported, a few cars more and the exports of these *Home Products* will tell in tens of thousands of cases, and with constant increase.

Flax Seed, per lb	2½ — 3
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	3 — 3½
Castor Oil No 1 Diamond in cases, per gallon	— 1 40
" " " barrels "	— 1 30
Castor Oil, No. 2 Diamond in cases per gallon	— 1 30
" " " barrels "	— 85
Linseed Oil, Boiled	— 80
do. Raw	— 78
Cocoa Oil	— 65
Hops, California	5 — 6
Hops, new	12 — 25
Alfalfa	10 — 12½
Mustard Seed	6 — 10
English do.	4 — 5
Canary Seed	2½ — 3½
Coriander Seed	3 — 5
Broom Corn	3 — 5
Bees Wax	23 — 25

California Leather Market Report.

The *Leather, Tallow* and *Hide markets* are somewhat improved and with a better outlook, prices have advanced, and with shipments abroad, this keeps a live market.

California Sole Leather	20 — 26
do. Harness do.	28 — 30
do. Skirtings	30 — 37½
Bridle Leather	4½ — 6½
Rough do. Oak Tanned	35 — 38
Waxed Calf Skins	50 — 1 00
do. Kips do. per dozen	30 00 — 55 00
do. Leather per foot	13 — 15

Wool, Tallow, Hides, Etc.

The *Wool Market* shows a light stock now on hand, compared to earlier in the season in July—a sale of 200,000 pounds choice Umpqua Oregon wool was recently made by Falkner, Ball & Co. at 26 to 28 cents—Oregon wools sell well, Oregon Valley wool rates 25 to 28 cents—Oregon Eastern wool rates 17 to 20 cents.

By reason of the very dull condition of trade wool of all kinds, as well as manufactured home woolen goods sell at low rates.

Wool, Spring Clip	18 — 20
do. Choice Extra	25 — 26
Fall Clip	16 — 18
Oregon Wool, per lb	25 — 28
Eastern Oregon	17 — 20
Medium, bright	16 — 20
do. Burry	12 — 15
Goats' Wool (mohair)	30 — 75
Dry Hides, per lb	15 — 18
Green Salted, per lb	7 — 10
Deer Skins	60 — 1 00
Sheep Skins, wool on	25 — 75
do do plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	6 — 5½
Tallow, refined	7 — 8

Average Slaughtering Prices.

The *Wholesale Meat Market* is abundantly supplied—but at low prices—the abundance of feed gives good meats, and at cheap rates.

Beef, American, 1st. quality	5 — 6½ cts
do. do. 2d. do.	4 — 5 do.
do. do 3d. do.	3½ — 4 do.
Veal	4 — 7 do
Mutton	2½ — 3½ do
Lamb	4 — 5 do
Pork, Undressed	5 — 8½ do.
do. Dressed	5½ do.

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED ACcommodations for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU August 4th, and every fourth week thereafter.

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports; also, HAVANA and all WEST INDIES ports on 5th and 19th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

47:5

Central Pacific Railroad.

Notice to Shippers.

Please take notice that this Company will maintain, for transaction of business in Oakland, TWO STATIONS, viz:

MARKET STREET AND SIXTEENTH STREET

and to avoid delays we would request shippers to state on receipt, name of station to which freight should be delivered; as in the absence of same all consignments will be taken to Market Street.

J. A. ANTHONY, Agent.

San Francisco, Jan. 12, 1879.

AUZERAIS HOUSE,

SANTA CLARA STREET,

SAN JOSE.

S. W. CHURCHILL, Proprietor.

Auzerais House Coach and Carriages always in Attendance on arrival of trains.

FRESH EUCALYPTUS SEED.

Fresh seed of the EUCALYPTUS GLOBULUS just received from Australia—VERY EXTRA QUALITY

Also twelve New Varieties not before introduced here, but valuable kinds.

For sale at the FARMER OFFICE, 320 Clay Street.

C. P. R. R

COMMENCING

SUNDAY, JUNE 6th, 1875,

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma. (Arrive 5:45 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 5:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 5:45 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 9:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Caliente and Los Angeles Also at Niles with Train arriving at San Jose 8:35 P. M. (Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily (Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND.

"Daily"—7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M., 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00, 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.

"Daily, except Sundays"—6:10 A. M. and 11:45 P. M.

"Sundays only"—10:30 and 11:30 A. M.; 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4:00 5:00 6:00 and 10:30 P. M.

"Sundays only"—11:00 A. M., and 1:30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M.; 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—7:30, 8:30 and 9:30 A. M.; 1:00, 2:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—8:30, 11:00 A. M. and 11:45

"Sundays only"—10:30, 11:30 A. M. and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 and 10:10 P. M.

"Daily, except Sundays"—8:10 and 9:50.

"Sundays only"—11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:03 and 9:00 A. M.; 3:00, 3:58, 5:00, 6:03 and 7:00 P. M.

"Daily, except Sundays"—6:00, 8:40, 11:30, A. M., and 1:30 P. M.

"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—6:55, 8:00 and 11:05 A. M., 2:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M.; 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:20, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays"—5:20 A. M and 1:50 P. M.

"Sundays only"—10:20 and 11:20 A. M.; 12:20, 1:20 and 1:35 P. M.

T. H. GOODMAN, General Passenger and Ticket Agent.

A. N. TOWNE, General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

SUMMER ARRANGEMENT.

Commencing Monday, April 21, 1879,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows:

8.20 A. M., *Daily* for San Jose and Way Stations. Stages for Pescadero (via San Mateo) connect with this train only.

9.30 A. M. *Sundays only* for San Jose and Way Stations. Returning, leaves San Jose at 6 P. M.

10.40 A. M. *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Salinas, Soledad, and all Way Stations.

AT PAJARO the SANTA CRUZ, R. R. connects with this train for Aptos and Santa Cruz. At Salinas the M. & S. V. R. R. connects with this train for Monterey. Stage connections made with this train. (Pescadero Stages via San Mateo excepted.)

Parlor Car Attached to this Train.

(SEATS AT REDUCED RATES.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, Pajaro, Hollister, Tres Pinos and principal Way Stations.

On SATURDAYS only, commencing May 10th, the Santa Cruz R. R. will connect with this train at PAJARO for Aptos, Soquel and Santa Cruz. RETURNING, passengers leave Santa Cruz about 4:30 A. M. Mondays (breakfast at Gilroy), arriving at San Francisco at 10:00 A. M.

SPECIAL NOTICE—On SATURDAYS ONLY, commencing May 10th, the run of this train will be extended to SALINAS—connecting with the M. and S. V. R. R. for MONTEREY. Returning leaves Monterey MONDAYS (breakfast at Gilroy), arriving at San Francisco at 10:00 A. M.

3.30 P. M. *Sundays only* for San Jose and Way Stations.

4.25 P. M. *Daily Sundays excepted* for San Jose and Way Stations.

5.00 P. M. *Daily Sundays excepted* for Menlo Park and Way Stations.

8.30 P. M. *Daily* for Menlo Park and Way Stations.

Excursion Tickets at Reduced Rates

To San Jose and Intermediate points, sold on Saturdays, and Sunday morning, good for return until following Monday inclusive, as follows:

Baden	$0 50	Fair Oaks	$1.50
San Bruno	0.50	Menlo Park	1 50
Millbrae	0.65	Mayfield	1.75
Oak Grove	0 90	Mountain View	2.00
San Mateo	1.10	Lawrence	2.25
Belmont	1.25	Santa Clara	2.50
Redwood	1.40	San Jose	2.50

Also, EXCURSION TICKETS to Aptos, Soquel, Santa Cruz and Monterey, sold on Saturdays only—good for return until the following Monday inclusive.

SECOND-CLASS FARE.

Between San Francisco and San Jose, - - $1.00

A car with Sleeping Accommodations, constructed expressly for this travel is attached to Freight Trains, leaving San Francisco at 4:00 A. M., and San Jose at 3:30 P. M. (daily Sundays excepted).

A. C. BASSETT, Superintendent. H. B. JUDAH, Ass't Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 4:00 P. M. daily, and making close connection at GOSHEN for Sumner, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton, Colorado River and MARICOPA. (166 miles east from Yuma.)

25 NEW YEAR CARDS, with name, 20c. 25 Extra Mixed, 25 Gem Chromo, 25 Floral, 25 Motto, 25 Lace, 25 Snowflake, 25 Scroll, 25 Hidden Name, 25 Fringe, 25 Chromo, 25 Transparent, 25 Glass, 25 Embossed, 25 Gilt Edge, 25 Oriental, 25 Perfumed, 25 Reward of Merit, 25 Damask, 25 Ivy Leaf, 25 Floral Chromo, 25 Rose, 25 Bird, 25 Lily, 25 Motto, 25

CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, SEPTEMBER 18, 1879. NO. 16.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

No. 320 Clay St., (up Stairs) Below Battery,

SAN FRANCISCO.

TERMS OF SUBSCRIPTION:

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☞ Our full ADVERTISING RATES will be found on t SEVENTH PAGE.

All Letters on Editorial Matters to be addressed to COL. WARREN, Editor.

☞ All Letters on Business connected with the Office should be addressed to

WARREN & CO., Publishers.

Eastern Correspondence.

EXPERIMENTS WITH MILK.

FORESTVILLE, N. Y., July, 1879.

COL. WARREN—*Dear Sir:*

For some time past a number of experiments with milk have been conducted in the laboratory, and, with your permission I will give them in your peper for the benefit of your readers, I came near saying in California, but finding the FARMER all over the country where I travel, I will not confine myself to that State alone.

Examined with delicate acids I am able to detect a slight trace of alkali when the milk is first drawn, and when placed beneath the microscope, as many of your readers have noticed, myriads of minute particles are seen floating about in a serous liquor. These particles are butter. Where a minute quantity of caustic alkali is added they disappear instantly by solution; I experienced no trouble by separating them by filtration, and the filtered liquor was almost perfectly transparent. These little particles were found specifically lighter than the liquor in which they floated, hence rise very rapidly as soon as the milk was left standing in the labratory with a made temperature of 70 F., I found adhering to these particles very small portions of caseine, some of the serum being retained; cream was the result.

It is a fact very generally known, that this caseine, of which we speak, coagulable matter contained in the milk, and the only constituent of milk in which may be detected the least trace of nitrogen, it is very closely allied to albumen, of which the majority of chemists regard it as a modification. I find, however, upon a closer examination, that liquid caseine, unlike liquid albumen, does not coagulate by heat, when heated in an open vessel an insoluble pellicle forms on its owing to the action of atmospheric oxygen.

Liebig claims that the ashes of soluble caseine are very strongly alkaline, and there is good reason to believe that the potash found in the ashes of it has served, by combining with the caseine to render it soluble.

A number of samples of milk from different cows have been subjected to a microcos analysis, and caseine was found to exist in the following proportions:

Cows milk	4.48
Cows on hay	3
Cows on turnip	3
Cows on clover	4
Cows on potatoes	15 1
Cows on potatoes and hay	3.3
Ewe's milk	4.60
Goat's milk	4.02
Mare's milk	1 90
Ewe's milk	2.13
Bitch's milk	1.60
Human milk	1 52
Ass's milk	1.62

Color, too, has much influence upon the per cent. of caseine found in milk, but this being a separate as well as very important subject, I shall refer its discussion to some future time when many interesting facts will be disclosed.

The chemist Mulder has shown that casani, like albumen, like fibrine, is a proteinaceous substance. It differs, however, from two last named substances, inasmuch as it contains no trace of phosphorous. When coagulated with rennet, and afterwards burnt, it yields six per cent. of phosphate of lime, and one-half per cent of caustic lime.

The relative proportion of the constituents of milk vary with the kind and quantity of food, the age of the animal and the period after parturition. The following table taken from the memoir of M. Chevalier, shows the influence of food:—

	Carrots.	Beets.
Casni	7.20	3.75
Butter	3.08	2.75
Sugar of milk	5.30	5.95
Salts	0.75	0.68
Water	86.67	86.87
Total	100.00	100.00
Solid substance	13.33	13.13

The sugar of milk in its nutritive qualities, is similiar to all saccharine substances in general, but in its chemical properties is found more closely allied to the gums. Its alimentary principles are precisely like those of whey. The saline constituent of milk can be best obtained from an examination of the following table of results reached by the chemist Schwartz's composition of the ashes of ewe's milk, 100 parts being tested:—

Chloride of potassium	0.1350
Phosphate of soda	0.0225
Phosphate of lime	0.1805
Phosphate of magnesia	0.0170
Phosphate of iron	0.0032
Soda (combined with lactic acid)	0.0115
Total	0.3697

Bergelius, however, claims that the lactic acid is combined with the potash.

The cream of cow's milk, as all know, is the scum that rises from the milk when left standing, it has a variable specific gravity, according to its quality, with an average, say of .12044, and found to contain the following constituent elements:—

Butter	4.5
Caseine or curd	3.5
Whey	92.0
Total	100.0

While concluding these experiments many interesting facts were disclosed, among which we found that new milk can with but a very slight expense be kept sweet for an indefinite period, and again be permitted to sour, if wanted, in a moment's notice, the elements of milk are under our control if we know how to handle them. We found the upper strata of the cream much richer in butter particles, while the lower contained more caseine. After the cream had been divested of all its butter, the remaining portion was analyzed, serum, caseine, and a little butter, when skimmed, the remainder was found to possess a very variable specific gravity, with an average of about 1.0378, left a little while it readily acquired acid properties, while coagule, commonly called curds, soon separated from it.

If an acid be added to the skimmed milk, this change is produced instantly, and caseine is the result. After the rennet has ceased to coagulate or separate any of the particles, a little acetic acid caused another rising of caseine. This curd formed by acid is called by the various names of *zeeger serae, ricotta, and braculu*. It is probably nothing more nor less than uncoagulated caseine, united to acetic acid, even after all this had been done, the remainder was flacid, merely the whey, in a large evaporating dish, and found sugar of milk and another nitrogenous (ormagone) lactic acid and salts.

A series of practical scientific articles will appear from time to time in these columns, the result of experiments conducted in my laboratory. In this connection it is but justice to say, although under no obligation to do so, that in making these experiments, in fact for all purposes where a tense heat is required, I am enabled to do away with the great expense of burning spirits, but have in use a Monitor Coal Oil Stove made by a company of this name at Cleveland, Ohio, and I have no hesitancy in recommending this stove (furnace) to the consideration of those desiring one for scientific or culinary uses, or for heating rooms, it will do it all well. This is due the manufacturers, not, withstanding my stove is not paid for in this way.

PROF. ELSOM.

The Hop Agency.

Our Hop growers in the country and elsewhere over the whole State, particularly the large dealers in Hops in the East and also in Australia and New Zealand, are informed that Phil Nois, Esq., one of the largest dealers of Hops on our Coast has recently removed from Market street to 322 Davis street, where with enlarged rooms, improved machinery for compressing and packing hops, he is enabled now with increased facilities and convenient rooms to please all customers, he will be happy always to have all interested in hops as buyers or sellers to call on him at 322 Davis street.

THE GREAT EUCALYPTUS TREES.

Through the kindness of Baron Ferd. von Mueller the distinguished botanist of Melbourne and Government botanist of Victoria we have received a valuable work upon the maintainance, creation and enrichment of forests, a very valuable and interesting work.

We select chapter No. 1 of the series entitled, "Utilization of existing forest trees to full advantage, without permanent demolition."

THE EUCALYPTS.

The prevailing timber-vegetation of all Australia is that of the *Eucalypts*; to this rule only some portions of the literal forest-tracts of East and North Australia offer exceptions; thus, with us also in this colony, the most eastern wooded districts of Gippsland only depart somewhat from the general forest-physiognomy of Australia, unless we except perhaps some tracts of the Cape Otway district and of the Baw Baw Mountains, where an evergreen beech (*Fagus Cunninghamii*, of Hooker) locally predominates. Of nearly 150 distinct kinds of eucalypts, now known from the various portions of the Australian continent, we possess in Victoria not fully forty species, but of these again only about a dozen have any leading interest for extensive utilisation and primary forestral care, whether in respect to their wide distribution through our territory, or on account of their large dimensions, or in reference to their fitness for special purposes of artisans; the rest of the species are either not of gregarious occurrence, or producing timber of inferior quality, or attaining never to large size, or being restricted to the frontier regions of the Genoa or Hume-river only. Thus our principal eucalypts, according to the degree of their general importance, might perhaps be arranged as follows

1. The Red Gum-Eucalypt (*Eucalyptus rostrata*, Schlechtendal).

2. The Blue Gum-Eucalypt (*E. globulus*, Labillardiere).

3. The Ironbark-Eucalypt (*E. leucoxylon*, F. v. M.)

4. The Messmate-Eucalpt (*E. obliqua*, l'Heritier.)

5. The Stringybark-Eucalypt (*E. macrorhyncha*, F. v. M.)

6. The Giant-Eucalypt (*E. amygdalina*, Labillardiere).

7. The Apple-Scented Eucalypt (*E Stuartiana*, F. v. M.)

8. The Spotted Eucalypt. (*E. goniocalyx*, F. v. M.)

9. The Yellow Box-Eucalypt (*E. melliodora*, Cunningham.)

10. The Red Box-Eucalyyt (*E. polyanthemos*, Schauer.

11. The Swamp Mahogany-Eucalpyt (*E. botryoides*, Smith.

Reserving a few notes on the dwarfer oil-eucalypts, on the blackwood and wattle acacias, the native sassafras tree and the so-called cypress-pines, we may proceed to note a few of the characteristics of the above species of eucalyptus.

1. The *Red Gum-Eucalypt* is the most important of all, though it does not rightly belong to close-wooded forest-regions, but rather delights in the open country, where it forms natural parks, especially on river-flats. In its extraordinary durability of wood, even for underground structures or maritime submersed works, it has only one recognized rival in all Australia, namely, the West Australian jarrah (*E. marginata*, Smith); but it exceeds that famous species in celerity of growth, and it will thrive even in often inundated places, not otherwise readily to be utilized. But the natural restoration of this tree is not so easily effected as that of many other eucalypts, and the enormous inroads made on the belts or patches of our red gum-tree is such, that at no distant day the supply of its wood, for railway-sleepers, jetty-piles, fence-posts, &c. will cease, especially as also of late years sad havoc has been made among these trees by the attacks of peculiar caterpillars, which prey on the foliage, involving the ultimate death of the trees. Hence, no time should be lost to raise this otherwise irreplaceable species in our forest-valleys, and this millionfold.

2. The *Blue Gum-tree*, which is dispersed through the southern and eastern regions of our colony, stands unrivalled in rapidity of growth among hard-woods, in which respect it even exceeds the softwooded willows and poplars. Foreign countries, wherever the clime admitted of it, have seized on this tree to create forests, from which full returns can be obtained in one fourth of the time needed for rearing woods of oaks, pines and other ordinary forest-trees, previously under principal culture. The *E. globulus* moreover accomodates itself almost to any locality in a most unusual manner, though to attain quickly to perfection it will need soil of porous depth and some fertility. We can never have too much of this blue gum-tree in our forests, and it must be here also our mainstay, to provide timber in treeless districts remote from woodlands.

3. The *Ironbark-tree*, for a variety of industrial purposes, where toughness of wood is an object, cannot be fully replaced by any other of our native trees. Its occurrence, mainly in auriferous geologic formations, had led to its extensive early consumption and frequent local termination. It can be mised from seeds with the same facility as all other eucalypts.

4. The *Messmate-Stringybark-tree*, for the ease with which its wood can be split into rails and shingles and utilized for the cruder kinds of carpentry, has become as a cheap building material almost indispensable to us. It regenerates itself readily in its forest haunts; yet the easy ignition of its stringy fibrous bark often leads successively to the destruction of older trees by bush fires, which from time to time devastate large forest-areas, whereas the young upgrowth is also often subsequently consumed by the fiery element, and at best will need careful protection for a long series of years, to allow of its furnishing timber of any great dimensions.

5. The *Victorian Stringybark tree* shares the qualities and dangers of its preceding ally. It is generally of easier access, descending to lower regions, but seems not held equal in value of its wood to what here is called the messmate-tree, but what in Tasmania and South Australia constituted the only stringy-bark eucalypt.

6. Our *Giant-Eucalypt* carries the palm for tallness, not only among Australian species, but indeed also among the trees of the whole globe, unless its lofty grandeur, as of first rank, should be disputed by the West Australian karri-tree (*E. diversicolor*, F. v. M.), or unless in the newly explored extensive forests of Southern California, the two kinds of Sequoias should rear their mighty stems to still greater heights than formerly reliably recorded. But in regard to colossal massiveness of the trunks, our giant eucalypt, as a rule, cannot rival with the mammoth-trees of California, though ours seem to overtop them, at least in exceptional cases. But what completes in *E. amygdalina* its enormous height, is usually a straggling terminal branch, shooting up rather slenderly, whereby our tree is deprived of the towering crown, which in the Sequoias is pine-like dense to the very summit. Nevertheless, *E. amygdalina* must for ever be counted with *E. diversicolor* among the wonders of the world, and where it is developed in its greatest magnificence we should approach it with veneration, and shield and guard it against unholy hands. Technologically our giant-eucalpt is of immense import; its wood, irrespective of its huge dimensions, is of manifold adaptability and comparatively easily worked. The very tall whitish straight columns of its stem are developed in the valleys of mountain-forests only; in lower regions the species dwindles down to a comparatively small tree, to which the more persistent layers of the outer bark give a very different appearance. In this state it passes as peppermint-tree among Victorian colonists, on account of the unusually large percentage of cajuput-like essential oil derivable from *E. amygdalina* in all its forms and localities, the yield of oil averaging two per cent., and at times even more. A flourishing industry (after some initiatory measures of mine at former great industrial exhibitions) has been established by Mr. Jos. Bosisto, through a methodic distillation of this oil in his factories within the forests. And here it may be passingly mentioned, that some other eucalypts, particularly those constituting the mallee-scrub, for instance *E. oleosa*, provide also eucalyptus-oil largely, the products being of more or less peculiar kind and available either as disinfectants or as technic solvents or for some other industrial purposes.

7. The *Apple-scented Eucalypt* bears a vernacular name, as inaptly bestowed as those of most of its congeners. Though not equal in technic importance to the preceding congeners, it is entitled to some allusion here, because this particular species is widely distributed, not always strictly salvan, content with poor soil and prospering also in stagnant humidity in places not readily accessible to other culture without drainage. A variety or an allied species, *E. Gunnii*, bears the vicissitudes and frigid boisterous inclemency of our higher alpine regions, terminating there, though still evergreen, the zone of woody vegetation.

8. The *Spotted Gum-tree* of Victoria yields us an excellent building-wood, in many results comparable to that of our blue gum-tree. It is through wide forest-districts interspersed among the other eucalpyts, and rises to a very considerable height.

9. The *Yellow Box-tree* of our artisans, but which far more appropriately might be termed, as its systematic name implies, the honey-scented eucalypt, though never of the astounding dimensions of some of the foregoing species, is still deserving of the protecting care of forest-officers, on account of the peculiar tenacity of its highly valuable wood.

10. The *Red Box tree*, as inaptly named as the former, participates with it much in technic utility. The species is recognizable, even at a distant glance, by the gray hue of its broadish foliage.

11. The *Swamp Mahogany-Eucalypt* is confined in our colony to the valleys of the Snowy River and of the watercourses extending eastward. Its dark dense foliage impresses on this umbrageous species a peculiarly noble feature. Its timber is also so excellent, that the fostering care of the administrators of woodlands should likewise shelter this fine tree from final annihilation, especially as its growth is rather of slowness.

[THESE ESSAYS TO BE CONTINUED.]

HAIL TO THE CHIEFTAIN.

Hail to the chieftain that led us to battle,
Hail to the hero that conquered and won,
His march round the world has been one of triumph;
In triumph we'll welcome the conqueror home.

Not wars dread alarums make us hail him with pleasure,
For peace hovers over the land of his birth,
But gratitude swells each patriot's bosom,
That vies with another to honor true worth.

Like the hero's of story, unlooked for we found him,
He burst on the world like a meteors flame;
From the plow to the battle field, up from the lowly,
He sprang with a bound to glory and fame.

The nations of Europe have honored our Captain,
His triumph has been like the march of the sun;
He sailed for the East where his fame had preceded,
We welcome him back where his triumph began.

Where the sands of the desert are cleft for a pathway,
For ships of the ocean their burdens to bear;
His name went before him, like heralds of morning,
That usher the day god—they welcomed him there.

In Egypt, where kings have slept through long ages,
In tombs long forgotten, whose names are untold;
They welcomed the chieftain our nation had honored,
The new world revived the great warriors of old.

Sesostris and Moeris and Pharaoh's long buried,
Arise once again and their armor put on;
They live in "Ulysses," the hero before them,

Like a shadow he passes and then he is gone
The great of all nations extend hands of welcome
To the great northern chieftain, America's pride,
Who drew not his sword for spoil or for conquest,
He fought for the blessings, for which millions have died.

From the Orient over the greatest of oceans,
On the great iron ship that is justly our pride;
The honored of nations, our great benefactor,
Comes back to the land where his honors abide.

Then hail to the chieftain that led us to battle,
Hail to the hero that conquered and won;
His march round the world has been one of triumph,
In triumph we'll welcome the conqueror home.

[Written for THE CALIFORNIA FARMER by SAXTON.]

THE NEW YORK HOP MARKET.

From our correspondent Emmet Wells, his last circular gives the following valuable data:—

With this issue of our circular, we enter upon the new hop season of 1879 and '80. About 200 bales of the new growth of the early seedlings variety, have been received here, and have been sold for shipment at prices ranging from 35 to 40 cents. The later sorts are being sold at 28 to 36 cents. Picking is now progressing all over the country, and if nothing unforseen happens between now and the time of finishing, we will have a crop of fine quality, but considerably below that of last year in number of bales. We will not attempt to make any estimate of the crop until later, when something more definite can be learned of how the crop comes down. The first arrivals of new hops in market usually causes a decline in the price of yearlings and olds, but this season has proved an exception to the rule, and instead of a decline, they are held firm at present quotations. The shipments to London this week are heavy, amounting to 3,496 bales.

RECEIPTS AND EXPORTS.

Receipts for the week	1 805 bales
Total receipts since Sept 1, 1879	1,505 "
Total receipts for same period in 1878	264 "
Export clearance for the week	3,496 "
Total exports since Sept. 1, 1879	3,496 "
Total exports for same period in 1878	none.

The Queensland Magazine.

This excellent *Magazine* which has been recently published in Australia (at Brisbane, Queensland) by David Clarke, Esq., the popular Seedsman and Chemist, and also the author, manufacturer and Patentee of the FAMED EUCALYPTUS REMEDIALS that are now popular all over our country, is a *Magazine* that contains a large amount of valuable information about Australia much needed to arouse the people of the Pacific Coast to the great SYDNEY EXHIBITION, now about to open, and to continue six months.

This Magazine is finely illustrated and contains a large number of advertisements of our largest and most influential merchants, who are securing a good trade in, Australia, this trade should be secured by all our merchants, copies at our Office—see advertisement in our Columns.

The Sydney Fair.

Every Australian steamer goes full of merchandise and articles for this great Exposition at Sydney.

H. B. Williams, Esq., Pacific Mail agent makes liberal offers to take goods for the exposition, and the steamer for Sydney of 29th September will be in good season, as the Fair lasts till next April,

Great credit is due to Mr. Williams who labors earnestly to build up the trade between Australia and California, and is liberal to all shippers, the public are glad to know he has nearly recovered from his late illness.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have GRAIN to sell and to keep.

HOW WE SAVED THE OLD FARM.

CHAPTER X.

[We now resume this admirable story about the "Old Farm" our last chapter was in our issue of August 7th. ED. F.]

It was no small inconvenience to my mother to have them come that morning, when she had to get the chambers ready and cook the dinner, without more notice, but all she said was "Just like a man; you think I can get ready for anything as easy as you can get ready to go gunning." But soon the wagon from the tavern was at the door and unloaded three men, a lady, and two children, and their baggage. One of the men advanced and introduced himself as Mr. Ralph Benson, and his wife as Mrs. Benson; he apologized handsomely for coming before the time appointed, and giving the same reason that Jake had given, expressed a hope that she would not refuse to admit them.

Of course my mother said that it made no difference to her, but that they must excuse whatever was not in readiness for them, and all that was not as fine as they were used to; but a few words from Mrs. Benson quickly placed her at ease. Then the other two gentlemen were brought forward and introduced as Mr. George Benson and Mr. Henry Farnham, and the trunks were brought in, and Jake, according to promise, hurried the men off into the fields, just calling out that they were not to be expected before night.

Before they went Mr. Benson brought forward some partridges, the trophies of yesterday's hunting, which he requested my mother to be so kind as to cook, as they expected to have hunter's appetites at supper-time. And I may as well say now that the game and fish which they brought in from their hunting was no small addition to our table while they were there, although they often sent off parcels of it as presents to friends in the city, for they were hunting, not as Jake did, for a living, but for pleasure and health.

Allow me to describe our boarders, for the appearance of people is often to me an index to their character, sufficient to incline me to like or dislike them. I took a liking to them when they came forward, which I think was not all the result of fine clothing nor polite manners, nor even of that five dollars per day which was promised, though for the sake of that, I would have endured, if I had not liked much less agreeable persons.

Mr. Benson was tall, dark-complexioned, with dark eyes and a black, silky beard, which he wore full around the mouth; quick and pleasant spoken, and with a free-and-easy way that showed he felt at home in any society, though then and ever afterwards as tenderly respectful to my mother and all of us as if we had been the proudest ladies in the land. In talking with Jake there was no appearance of superiority nor of condescension, which Jake would not have borne, nor yet any attempt to patronize, but just such a way as fell in with Jake's humor exactly, giving directions, as the man who employed another had a right to do, but with an air of yielding details to one who understood the matter in hand better than he did. And as he treated Jake, so he did every one with whom he dealt. He knew what he wanted done, but how best to do it was the business of the man who had the work to do.

His wife was a contrast in looks, being small, slightly built, and light-haired, with blue eyes, and a complexion almost too fair to be healthy. She was as perfectly lady-like as he was gentleman-like, but she had not his power of making acquaintance rapidly, nor of adapting herself to the society of those she met that he had. Add to this a strong will, veiled under a gentle manner, and a quick temper, usually under perfect control, and you have Mrs. Benson.

The oldest child, a girl of six years, was not shy or reserved with strangers unless she happened to take a dislike to them, but she was apt to resent too rapid advances from those whom she did not know, and thus those who tried to "scrape acquaintance" with her seldom succeeded. She seemed almost wild at being in the country, and had examined pigs, chickens, calves, and lambs before night, having first asked permission to visit them. She was perfectly fearless, and yet cautious about venturing too far until she had assured herself of the lack of danger, or if there was any danger, of the best way to face it. She had the fair complexion of her mother and the brown eyes of her father.

The baby was a pretty two-year old boy, looking like his father, and with a most imperious will and temper of his own, which made him rather troublesome.

George Benson was like his brother in looks but that he wore his beard only on his cheeks, in English fashion, and he was moderate in speech, and seemed as if he seldom cared to talk for the sake of talking or of pleasing. Did not laugh as often or as heartily as his elder brother.

Mrs. Benson's brother, Henry Farnham, was a quiet lad of about sixteen, who would rather have stayed in some cool place with a book in his hand than to have shot all the partridges or caught all the trout in Brookfield, yet it was he who usually brought home the most game after the first week. The expedition to the woods had been undertaken mostly upon his account, as it was feared that too close confinement to his studies had injured his health. About the same age as Clarence, he overtopped him by a head, but my brother looked much the strongest, though he was not. Clarence might have endured the longest, for he had the muscles of a farmer, but Henry had the muscles of a trained gymnast.

When the men had departed, mother and I were obliged to let Mrs. Benson entertain herself and the children in the parlor or out under the apple trees as best she might, while we made ready the dinner and the chambers, and we saw but little of her excepting when our duties called us into the room where she was, or she came to us to ask permission to go out and make the acquaintance of the animals and places out of doors. She spent much of the afternoon in the field where the boys were at work, and when they came up at night Clarence was talking to Mrs. Benson as quietly as if he had always known her, while little Jessie was seated on Ned's shoulder.

Soon the hunters returned, and after supper Mr. Benson came out and asked permission to spend the evening in our sitting-room saying that it was more pleasant to them to do so than to stay in a room by themselves, adding,—

"George is too lazy to talk to us, and Henry too tired, or else he is looking for a book, while Jessie wants to be with the boy that owns those little lambs, so we may as well all come out."

Having been welcomed, he continued:—

"I consider that we are most fortunate, Mrs. Reynolds, in having fallen in with your friend, Jake. He is the best hunter and guide in these woods that I could have found, I think, for he knows every place to find the game, and the easiest way to get to it, and the shortest way home after we get through hunting; and he knows all sorts of birds, if not every individual bird that we have seen; can tell where they build and how, and all habits; and every tree and plant, and just what it is good for, and I know not how much more, besides being such an original character in his speech that I take more pleasure in hearing him talk than in hunting."

"He is called a great hunter, I know," said my mother, "and ought to know the woods and all that is in them, for he has almost spent his life there."

"But he seems to be a man of good sense and good judgment in other things, though not like a man who has learned by his reading."

"But Jake is a great reader when at home," said Clarence; takes two or three newspapers, and has got a lot of queer books that nobody else ever reads, with all sorts of queer information in them, besides old histories and such things, that he studies over and over again. He is just as odd in his reading as in everything else."

"His way of talking is not like that of a great reader," said George Benson.

"This is partly a matter of habit," said my mother, "and partly from a dislike to the style of most book writers, for he would think it an expression of contempt to tell him that he talked 'like a book.'

If what he knows about the woods and what is in them was put into a book it would make a very interesting one, and I would like to own it," said Henry Farnham.

"I know I am under great obligations to him for finding us a boarding-place away from that miserable hotel," said Mrs. Benson.

"I know I like him, and that's enough," said Jessie, with a grave nod, as if to say that that settled the matter, as indeed it did so far as all further discussion of Jake for that night was concerned, for after a laugh at her grave assertion, the conversation changed.

I think that in the course of the evening they managed to obtain from Clarence a clear statement of what he had done upon the farm, and some idea of what he intended to do. I remember a remark which Mr. Benson made during the evening, which made a deep impression on my mind, as it also did upon that of the others: "In the city we think, even those who are rich, that we cannot afford to keep property unless we expect to derive either pleasure or profit from it; but the farmers here, many of them, keep property from which they derive no profit and no pleasure that I can understand; paying taxes on land which produces nothing, and some of which only helps to hold the world together, and if they can get a dollar ahead, buying more land of the same sort, instead of trying to make that better which they have, not noticing what I notice, that those who have small farms often produce more than those who have large farms. All the land that I have seen about here might be made to produce four times as much as it does now, and some of that which now produces nothing is capable of being made as good as the best. If you make it your standard to bring all your farm up to the condition of the best, and the best up to four times its present producing power, you will not go far wrong, young man, and nothing but sickness and accident will hinder you from being successful."

That is just what I mean to do, but I must spend money to do it, and I must earn it before I can spend it," answered Clarence.

[TO BE CONTINUED.]

HOP GROWING.

A farmer from the town of Otsego, sends us the following relative to the crop and picking:—"At the blossoming season, I think we had in this State very nearly a 70 per cent. vine. To-day one-fourth of the fruit bearing prospects of that vine are destroyed by blight, dwarf and unnatural growth. We must not be surprised at the condition, prospects, quantity and quality of the coming hop crop, for the past three years have been heavy fruit bearing seasons. Hops, like many other products, require years of recuperation. No man can estimate the coming crop with any certainty until the growth is weighed, for unhealthy fruit continues to lose until picked and cured. Great pains should be taken in harvesting the crop. Uneven hops should be picked very clean—without leaves or stems—dried slow and longer than perfect fruit; should not be left in sacks to heat, for one badly warmed sack of hops often injures the sale of the whole crop. Do not get too dry, or leave them slack. Spread your kilns even and light, not too deep, eight to fourteen inches will do. Never disturb a kiln until cured, unless you are compelled to. Handle very carefully with one of N. E. Hinds' large hop shovels. Look well to the kilns, that they are properly ventilated below the fire and in the roof. No cold air should touch the hops until dried, for should it, the steam will be condensed to water and will fall to the hops, taking more time and fuel, and oftentimes injuring the quality. Your fire should be no less than thirteen or more than eighteen feet from the cloth. Sulphur should be used with great care. The cold bleach, I think, has had its day, perhaps to the sorrow of some. I have been most successful when burning steadily but a little suspended in a kettle, with slow fires, beginning at the second filling of stoves, using a little on stoves for a while, continuing until steam is well off; later in picking until the kiln is two-thirds cured. You will always get a better color on dampened hops than on dry ones; always wetting my latest kilns with good results, getting a healthy straw color. Dry sustances are but little effected by sulphur. With a short crop in Europe and a well secured light yiel here, what may we expect the price to be, 30, 40 or 50 cents?"—*From Emmet Well's Circular.*

WHY BEES DO WORK IN THE DARK

A life-time might be spent in investigating the mysteries hidden in a bee-hive, and still half the secrets would be undiscovered. The formation of the cell has long been a celebrated problem to the mathematician, whilst the changes which the honey undergoes offer an equal interest to the chemist. Every one knows what honey fresh from comb is like. It is a clear yellow syrup, without a trace of solid sugar in it. However, it gradually assumes a crystalline appearance—it candies, as the saying is, and ultimately becomes solid. It has not been suspected that this change was due to the photographic action; that the same agent which alters the molecular arrangement of the iodine of silver on the excited collodian plate, and determines the formation of camphor and iodine crystals in a bottle, causes the syrup honey to assume a crystalline form. This, however, is not the case. M. Scheibler has enclosed honey in stoppered flasks, some of which he has kept in perfect darkness; while others have been exposed to the light. The invariable results have been that the sunned portion rapidly crystallized, while that kept in the dark has remained perfectly liquid. We now see why bees work in perfect darkness, and why they are so careful to obscure the glass windows which are sometimes placed in their hives. The existence of their young depends upon the liquidity of saccharine food presented to them; and if light were allowed access to the syrup it would gradually acquire a more or less solid consistency; it would seal up the cells, and in all probability prove fatal to the inmates of the hive.

Shocking Grain.

There is a method of shocking grain by which the shock is impervious to rain, and it is a simple and easy method that every grain grower should understand. It is given us by a practical farmer of Montgomery county:—"Carry the sheaves into bunches fifteen or eighteen in a place. Set all but three on their butts with heads compactly together. Break the three remaining sheaves near the middle, just above the band, and throw them over the top of the shock, with the heads drooping one side and the butts the other. The top sheaves should cross each other and should be spread as much as possible. To break the cap-sheaves, hold them in front of you by passing the left hand around them near the band with the butts against you, pushing the heads down and sideways with the right hand. It is better to select long, slim sheaves with uneven butts for the cap. Wheat shocked in this way will stand a month without injury, and will shed perfectly the heaviest rains. One of the advantages of shocking is that you can cut your wheat "in the dough," as it should be cut, bind and shock it as fast as cut, and after a heavy rain you can go on with your harvesting without waiting long for your wheat to dry. A disadvantage is that your shocks will kill the clover under them, and sometimes the timothy, though not often."—*Farm Journal, Dublin, Ireland.*

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Capital, $5,000,000.

With Unlimited Liability of Stockholders.

Capital	$5,000,000
Capital—paid up	1,000,000
Assets	1,985,655
Re-Insurance Reserve	345,639
All Other Liabilities	189,075
Surplus for Policy-holders	1,450,941
Premiums received to May 31, 1878	7,495,177
Losses Paid to Date	4,509,902
U. S. Bonds deposited in Oregon	50,000

UNDERWRITE, THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandise, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

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W. F. BROWN - - - - Manager.
47tf3

URANINE.

This wonderful new compound which has excited so much wonder and admiration, and which is so valuable as an Analine Dye, has been received by us and will be offered for sale by us at early day. We can show it as illustration of its magic power—a single grain will color 350 gallons of water. For sale at

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—AND—

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SAN FRANCISCO.

No. 52, 54, 56, 58 K Street,
SACRAMENTO.

N. ASHTON & SON'S

Liverpool Fine Salt.

IN UNIVERSAL USE THROUGHOUT THE EASTERN and Western States, and acknowledged far superior to any other brand of factory-filled salt.

Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March:

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $1,900. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory-filled salt; therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $13; for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams; and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"

For sale by

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NEVILLE & CO.,

Bag, Tent and Hose Factory

33 CALIFORNIA STREET,

South-East Corner of Davis Street,

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[Removed from their old place, 113 Clay Street, to their new and enlarged accommodations.]

IMPORTERS, MANUFACTURERS, AND DEALERS IN ALL KINDS OF

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Canvas and Cottons.

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THIS NEW NON-POISONOUS SHEEP DIP, PRICE $2.00 per gallon. For directions and testimonials. Apply at

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FOUR SPLENDID WAGONS.

Farmers who desire a splendid Single or Double Seated Wagon, of the BEST make and BEST finish, can have a special bargain if they will call at 320 Clay Street, FARMER Office, where style of the Wagon will be shown them, price and terms also. An early call will secure a bargain rarely obtained.

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A LARGE lot of good country newspapers in good order for packing up goods, can be had at reasonable rates, in lots of *One to Five Thousand.*

For Sale at FARMER OFFICE,
320 Clay St., San Francisco.

S. M. PETTENGILL & Co., 37 Park Row New York, 10 State Street, Boston, and 701 Chestnut Street, Philadelphia, are our Agents for SUBSCRIPTIONS to THE CALIFORNIA FARMER in the above cities, and also our AUTHORIZED AGENTS to contract for ADVERTISING at our lowest rates.

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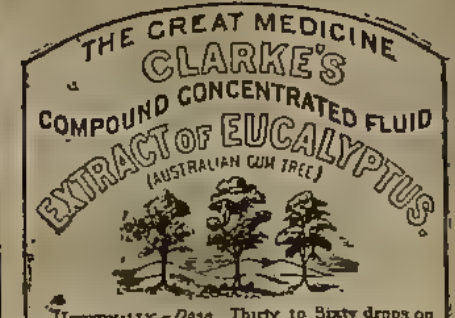
The Great Medicine!!



We have appointed for the sale of this Medicine advertised in our columns the following

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SALT LAKE CITY, UTAH.

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SANTA CLARA.

The Remarkable Cures which have been effected by the Wonderful Remedials, known as CLARKE'S EUCALYPTUS EXTRACTS from Australia, have, and are exciting a great influence among all those who have long been sufferers by those terrible sources of suffering, RHEUMATISM, NEURALGIA, DYSPEPSIA, and FEVER AND AGUE.

These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.

Be sure you ask your Apothecary for the true Medicine, DAVID CLARKE'S EUCALYPTUS PREPARATIONS The only Genuine article.

WARREN & CO.,
SOLE AGENTS FOR THE UNITED STATES.

LAND PLASTER.

THE GREAT FERTILIZER.

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$12.50 per Ton.

Also—Building Plaster, Casting Plaster, and Terra Alba

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In connection with the publication of the *Scientific American*, we continue to act as Solicitors for Patents, Caveats, Trade-Marks, Copyrights, etc., for the United States, Canada, Cuba, England, France, Germany, etc. In this line of business we have had *thirty-three years' experience.*

Patents obtained through us are noticed in the *Scientific American.* This large and splendidly illustrated weekly paper shows the current progress of Science, is very interesting, and has an enormous circulation. Subscriptions $3.20 a year, postpaid; single copies 10 cents. Sold at all Book-stores and News-offices.

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—AND—

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THIS CELEBRATED PUBLICATION OF THIRTY Years standing, one of the best works of the kind known, published by Peterson Brothers, Philadelphia.

Subscription price, monthly.....$1 50 per year.
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Can be had at the Reading Room of THE CALIFORNIA FARMER, 320 Clay Street, San Francisco.

BERKSHIRE SWINE RECORD.

A SPLENDID WORK IN THREE VOLUMES, ELEGANTLY illustrated with plates of the finest Berkshire Swine in the United States and the Canadas, sent out by the American Berkshire Association, is now for sale at the CALIFORNIA FARMER OFFICE, 320 Clay Street.

Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

BARON FERDINAND VON MUELLER.

This distinguished Botanist, whose work in Australia is so well known and appreciated in the United States is the subject of an admirable likeness in the *L'Horticulteur Belgique*, for June. From the notice, we learn that the Baron was born at Rostock, in Germany, on the 30th of June, 1825. In 1839 he entered on a course of studies as a physician, but early showed a disposition for science—especially for Botany and Chemistry. Still he pursued his medical studies, and in 1846, and 1847, found him in the University of Kiel. But his health suffering in the cool German climate, he determined to settle in Australia. His passion for botany increased as he surveyed the unknown forests of this wonderful land, and between 1848 and 1852, he made numerous voyages of discovery. His remarkable successes, requiring as they did so much courage and perseverance, commended him to the colonial government, and in 1852 he was chosen government Botanist, to the Colony of Victoria. He took an active part in the Gregory expedition for the relief of the unfortunate Louis Leichardt and his companions. On the failure of this, Meuller himself organized a new one, which though failing in its immediate objects, produced invaluable scientific results. In 1856 he became Director of the Melbourne Botanic Gardens. He has produced no less than 175 volumes on various subjects connected with Australian advancement. He will be best known to Americans by his profound researches among the numerous species of Blue Gum or Eucalyptus. His labors have been acknowledged all over the world, and he has received honors from the governments of England, Portugal, Spain, Denmark, Austria. France and Germany, have sent him honors seldom accorded to the mere scientific man; and the Queen of England has quite recently added to what that country has already done, by making him a Knight Commander of one of the honorable Orders of that Kingdom.

The Eucalypt Atlas.

A grand Atlas with full plates, illustrating the various new kinds of the Eucalypti, recently discovered, classified and described by the distinguished Government Botanist, Baron Ferds Von Meuller, K. C. M. G., M and P. H. D., F. R. S., who has won the highest honors and noblest titles from the best Institutions of Europe.

We have the *first decade* of this great work with plates and lists of the new varieties, which, added to those known, make a list of one hundred and seventy kinds of the Eucalyptus.

First decade of Eucalypt now described, of this great work, shows it to be one of great value and importance, it is beyond price valuable and reflects the highest honors upon this truly distinguished Botanist.

We return grateful thanks for his favor to us.

PLANT YOUR ALFALFA EARLY.

We would earnestly say to our grain growers, when your grain has been harvested and *you are ready to plow in your stubble*, preparatory for your next year's harvest, *then is* your time to cover your earth with a good coating of land plaster (gypsum), more especially if you design to sow *Alfalfa*, and this should be sown with your grain, this is the best plan for establishing a good set of Alfalfa, and make a permanent hay field.

A field of land well and deeply plowed with stubble well turned under, the soil well fertilized, and planted with alfalfa (25 lbs. per acre) with good grain, ensures to the planter a certain and a heavy crop; when planted in dry soil the early rains start all naturally, and both starting, the grain growing strong will shield the alfalfa from *winter's frosts*, while the alfalfa will protect the surface soil from the sun and being dried up, thus they both help each other in growth.

There is no fertilizer known in science equal to gypsum (land plaster) for alfalfa, and it is most excellent for grain and grasses of all kinds, and no person should plant alfalfa that does not give his soil a good dressing of gypsum.

Baron Liebeg, the great writer on agricultural science has pronounced GYPSUM the best fertilizer for clover that can be used.

With the hope that some good experiments may be made with gypsum the present year, in the plan above proposed, we will agree to furnish to any one desirous to try our plan *one hundred pounds of ground gypsum*, and will give FREE, *twenty parcels* of 100 lbs. each, to as many parties as will make this test—this will give them a chance to try *half an acre*, and then they can extend their work another year—of course we hope to learn results.

Another International Affair.

If probabilities are fulfilled, as they seem in a fair way to be, Jerome Park will next fall be the scene of the most exciting international race that America has known. The famous English colt Peter, who has never been beaten but once, and against whom no English turf-man would care to wager except with enormous odds in his favor, is expected to come over and run a mile and a half against Mr. Keene's Spendthrift, who has never been beaten at all. Both horses are under the management of men who mean business, and unless some previous accident to either animal prevents, the race is sure to be run. The match will be for an amount—ten thousand dollars—in keeping with the importance of the event, but this wager only faintly indicates the amount of money that will change hands after the race has been run. It is matter for general congratulation that the match is in all its features so admirable, and that, whatever may be the final result, American patrons of the turf will be enabled to hold the redoubtable Peter at the work for which he has shown such extraordinary aptitude.—*N. Y. Herald.*

LONDON AGRICULTURAL SEED TRADE

From Messrs. John Shaw & Sons the well known Seed Merchants, of London, we have the following:—

MARK LANE, LONDON, E. C., August, 1870.

EDITOR FARMER

The character of the seed trade is unaltered, a fair business being done in all varieties of clovers, while an extremely healthy tone continues to pervade it.

With regard to Red Cloverseed, the position is without change, English being in good demand in consequence of the unfavorable accounts coming from all parts of the country, while American is somewhat dull, the clover crops of the trans-atlantic continent being very promisingly spoken of.

In both White and Alsyke a good business is being done the general tendency of values being upwards. Trefoil still fails to attract much attention, though prices are without change.

Trifolium Incarnatum is now offering more freely, but very little inclination is shown by buyers to operate at the present high range of values. Winter Tares are very difficult to obtain, and many holders are indisposed to sell at present. Mustard and Rapeseeds are in good demand. Blue Peas continue very scarce.

Directions for Planting Tree Seeds.

All nut and hard shell seeds should be soaked in warm water, milk and water is better, and hot too, if convenient, soaked until the rind is softened, then placed in the earth as follows:

All seed of choice nut trees, or of ornamental and shade trees do better if planted in good sized boxes, and when 6 10 or 12 inches high to be transplanted where they are to grow.

THE SOIL AND PREPARATION.

Take of good rich loam (virgin soil) one-third, one-third sand, one-third very old decomposed manure, mix them thoroughly, then prepare boxes with holes in the bottom for drainage, fill these boxes two-thirds full of this compost, and plant the seeds, each in separate boxes, and in thickness according to the size of the seed, then sift over them good sand and loam only, about 1½ to 2 inches, and over this cover about an inch of sawdust, then sprinkle with a fine syringe or water pot, the sawdust keeps the surface from baking. Keep the boxes in a light and cool place, free from the sun (which dries the surface) till the seeds are up and show 2 or 3 leaves, then bring gradually into the sun and air.

Painting Farm Buildings.

Some very good suggestions are made by the *Springfield Republican* relative to painting *farm buildings* which it would be well for our farmers to note:

In painting even a shed it is just as cheap and easy to give it a pleasant color as to make it a blemish on the landscape. Barns and other farm buildings, painted red—especially the Venetian red—offer a fine contrast to the green of the fields and the trees, and we are pleased to note that the use of this color is increasing. The numerous red buildings of the English farms are very attractive to the traveler's eye; and they are not only handsome in appearance, but give an air of thrift and permanency to a place, which unpainted wood or white or straw color do not impart. We have one set of farm buildings in mind in which the brackets and other trimmings are finished off in black with a most satisfactory effect. The black thus used gives a distinctness and boldness to the details, and forms with the red walls a happy combination, and one most appropriate in its place. Red barns and outbuildings are not rare; these, when of glaring, self-asserting red, are not pleasing and they are still less so when they are, as we often see them, trimmed with white. It is a rule of good taste in painting buildings to have window caps, brackets, and other details, darker than the ground work or main body of the material. Why not apply the same principle to farm buildings, especially as it costs no more, and adds to the attractiveness and value of the structure?

DR. FOOTE'S HEALTH MONTHLY has been published three years and has established a reputation as a health journal. Thousands of papers quote and their readers appreciate its articles. And yet the HEALTH MONTHLY with its sixteen royal octavo pages is offered at only FIFTY CENTS per year. Send for sample copy. It will be mailed free. DR. E. B. FOOTE, author of Medical Common Sense, etc., is its Senior Editor, assisted by DR. E. B. FOOTE, JR., who is also in practice with his father. All the readers of Dr. Foote's publications can consult the Doctor free upon any subject relating to health or disease. A cheap popular edition of Plain Home Talk embracing Medical Common Sense is sent by mail, postage prepaid, for $1.50. You better enclose a $2.00 postal order for both the book and the HEALTH MONTHLY. Address MURRAY HILL PUBLISHING COMPANY, 129 East 28th Street, New York City.

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TWENTY VARIETIES.

The Rarest and Best.

PRODUCING BERRIES THIS SEASON from the size of a Walnut to that of a Hen's egg.

The varieties offered are new and choice and immediately productive.

Directions for their culture given to all purchasers. For sale at

Farmer Office.

Very Rare Australian Seeds.

WE HAVE RECENTLY RECEIVED FROM AUSTRALIA large collections of the new varieties of the Eucalypti never before imported here; also, very rare TREE and SHRUB SEEDS, which are most desirable to introduce upon the Pacific Coast.

In order to scatter them widely, and thus have them extensively grown and more widely disseminated. We shall put them up into collections of *ten parcels each*, and mail them to order, at $5 each collection. Address

WARREN & CO.,
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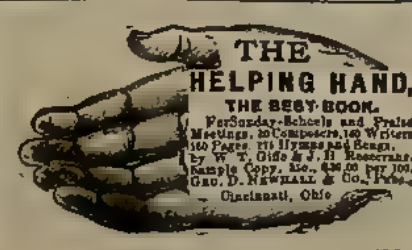

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45:2

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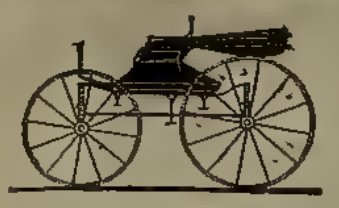
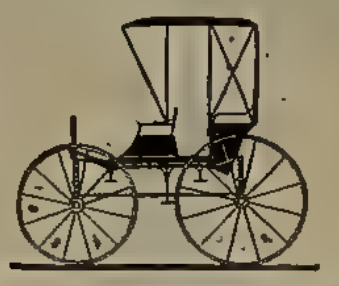


SINGLE.



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APPLES DRIED IN TWO HOURS.

Needs no extra fires, as it can be used upon a Cooking Range while in use for other purposes. Dries perfectly and rapidly Apples, Pears, Peaches, Plums, Cherries, Currants, Grapes, Berries, Corn, Peas, Beans, Pumpkin, Squash, and all kinds of Herbs. Makes beautiful Jellies, Jams and Syrups. No family should be without one

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Healthful Board and Pleasant Sunny Rooms

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(Late associate of Dr. Trall,)
Resident Physician and Manager.
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Ladies' Physician and House Superintendent.
Send for Trall Health Journal.

49:7

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We desire those who Remit us Money, to send it either in Checks on our *Banks here*, or by Post Office Order, or Green

We desire this *specially of Newspaper Agents*, or others abroad who send *their Checks* on Home Banks—this occasions delay or expense to us in collecting, while it is just as easy for them to adopt the way we point out, and send us Cash or Currency. These are our terms.

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FLOWER,
GRASS,
—AND—
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49:1

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SHEEP WASH
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THE NEW SHEEP DIP.

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LANDED ESTATES FOR SALE.

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The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath.

DAVID CLARKE'S
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The BEST EVER COMPOUNDED and destined to supersede all others.

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How to Make a Living. By GEO. CARY EGGLESTON, author of "How to Educate Yourself." 12mo, cloth..... 75 cts.

Manual of Nursing. Prepared under the Instructions of the New York Training School for Nurses. By VICTORIA WHITE, M. D., and revised by MARY PUTNAM JACOBI, M. D.. 75 cts.

All these valuable books can be had at the FARMER OFFICE, and will be mailed by us Post Free on the receipt of the price named above.

WARREN & CO.

NURSERYMEN AND FLORISTS ABROAD.

Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurserymen, especially, who have NEW and RARE kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our JOURNAL circulates there to a large extent.

This is the season when Nurserymen should make known what they have for sale.

Warren & Co.,
PROPRIETORS CALIFORNIA FARMER.

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The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, SEPT. 18, 1879.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marble Building—Up Stairs.

FARMERS HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmer's Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms. Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference. A Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all. Free.

Advertising Medium.

The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for one insertion, fifteen cents a line for any larger space. Each subsequent insertion, ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞ Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Sample copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,
PUBLISHERS CALIFORNIA FARMER.
San Francisco, Cal.

Editor's Chair.

Home.—We place in our Home Columns the history of that most wonderful medicine the "Eucalyptus Remedials," by David Clarke, the originator.

We place this in our Home Columns for it secures health to our homes as the greatest curative every known—we hope every family will at least try this Remedial for their own good.

"What is Education" "A grand lesson for Girls" "Blows on the Head" both worthy careful reading.

"A Dream" "Donner Party" and other items will all pay the reading.

Our Poets' Column.—This we are sure will please the lover of good poetry.

Miscellany has data of value.

Horticulture.—This Column has notices of importance to scientific minds and in planting, cultivation, etc., much to instruct.

Agriculture.—We give our readers chapter 10 of the very interesting story of "How we Saved the Old Farm," those who wish can procure back numbers so as to have the story complete, one of the best ever written.

"Hop Growing" and "Stacking Grain" on same page.

Our Front Page.—We give a valuable "Essay on Milk" by our esteemed Correspondent "Elsom" whose Essay will interest our dairymen.

"The Eucalyptus."—We give in this issue much upon this all important tree, which is now becoming more and more appreciated, for its many and most wonderful properties—we ask careful attention to the different reports we give in this number upon this life giving tree.

Unanswered Letters.—We are constantly receiving letters of inquiry from numerous sources, asking us to furnish replies and statistics that would occupy pages, and these from strangers, on matters not of a public interest, but only their private business, and then not even a stamp for reply, of course our time will not allow us to reply to all though kindly disposed, we always shall if possible, stamps for reply should always be sent, as this is a heavy tax on hundreds of letters received.

Hail to the Chieftain.

We give in this issue on our Front Page a very patriotic and noble song of welcome to General Grant, and hope to hear it sung at many public celebrations.

This song is by Selton, Written for the Farmer and dedicated to Gen. Grant, it will thrill every generous heart, as it pays a just tribute to this noble hero.

Complimentary.

We have received cards of invitation to the agricultural exhibitions, from the following societies, since those last acknowledged by us.

From the San Joaquin Valley Agricultural Society, Stockton.

From the Sonoma Agricultural Society, Petaluma.

From the Santa Clara Valley Society, San Jose.

From the Napa and Solano Agricultural Society, Vallejo.

From the S. C. Horticultural Society, Los Angeles.

To each of the societies we return our thanks for the courtesy.

Vick's Magazine.—We have this popular and truly beautiful Floral Magazine for August and September, full of happy thoughts and scientific teachings from this distinguished friend of the Cause of Horticulture and Floriculture, every lover of beautiful flowers should be a constant reader of *Vick's Magazine*.

Notice next Issue. We have scores of books, catalogues, etc., received, will soon notice.

THE MECHANICS' FAIR.

IT IS EASIER TO PULL DOWN THAN TO BUILD UP.

This truth has been fully verified by the rapidity with which the showy and we may say handsome scenes at the Pavilion have been demolished.

The display of grand Machinery, some of the best ever shown gives place now to the "Great Racecourse" that will attract perhaps much more intense interest than the industrial scenes so late the attraction of the thousands that were daily and nightly there, that "grand Promenade" where gentlemen (?) occupied the majority of the chairs while ladies walked wearily round, seeking "a place of rest," but this was what the masses of the young men and women went for, it was *fashion's* tableaux, for this is what they went to the Fair for, they rarely could tell what was on exhibition or what was worthy of examination or note; for that was not what they went for.

There were many very valuable exhibits made this year, and although not all new yet of great value to science and the mechanic arts.

The exhibits we named the last number were a credit to our State, the splendid exhibits of Messrs. W. T. Garratt & Co. of Brass Work, cannot be surpassed the world over.

The grand display of the "Pacific Saw Factory" could not be surpassed by any manufacture at home or abroad.

The exhibits of the Glass Company marks our progress as a State.

The Machinery Department made exhibits of wonderful inventions, from the wondrous engine to the powerful pumping apparatus, rock crushers and other mining implements, all of great value and showing the mind, genius, talent and skill of our inventors, and telling us that in the near future on still mightier improvements.

In that vast Pavilion above and below there was much to see and much to learn, but for some unaccountable reason the mass of visitors seemed to care little for the great exhibition of mind work, yet it was for this express purpose this great preparatory work was laid out.

One of the most notable and honorable displays of products at the Pavilion was that made by the State of Oregon, by the Rail Road and Land Company there.

This display was indeed a grand one, creditable to that State and showing the great and increasing resources of Oregon, that exhibit must draw thousands of emigrants to Oregon, many too from our own State: the grains and grasses were extra specimens, Oregon's iron ore and pig iron better than gold, the famed Oregon Salmon, their beautiful woods and other products gave them great credit, we think the Oregon exhibit one of the best displays of this kind ever made in our State.

The display of California products made by the *Journal of Commerce* was a most creditable exhibit, and much credit is due to Mr. Murray for his untiring industry to make a good display, but we think that he and all will admit that our neighbor, Oregon bore off the Palm.

Let us be just.

THE BEST EXHIBIT OF CARRIAGES.

No carriages exhibited at the Pavilion presented a more perfect style of finish than the Carriages from the manufactory of Messrs. B. Grave & Co., on Pacific-street, they were praised by every one who made any note of a Carriage of any kind.

Their famed Oppenheim Double Bonov is a pleasant surprise to all who examine it, and we are glad to know this Firm are not only receiving a fair share of orders on this State but from places abroad, and even from *Australia*.

These Carriages have won Premiums wherever shown over any other Carriage, and bear off the palm for their great utility as well as their excellence.

Their Carriages will be exhibited at the great Sydney Fair, also at the Los Angeles Fair, and we hope they will be exhibited at all our principal District Fairs, as they are specially worthy the highest distinction.

THE FAIRS IN PROGRESS.

The Fairs now in progress are exciting the usual amount of interest all over our State.

The Fairs have been as well attended as usual, but the great and all absorbing interest is that of the "Race Track" this portion of our Agricultural Fairs secures attention first, for it attracts the masses, but it is done at the loss of attention and interest of that which is of more paramount value to the great interest of our State.

The San Joaquin District Fair has been thus far well attended, and the exhibition at the Pavilion has been about as usual; the exhibits of the fruits, grains and products were, not what they should have been for so rich a county.

The upper or northern District Fair at Marysville now in progress, results only in the Racing matches, and some stock at the grounds, there was no Pavilion show, the Races absorbed all.

The Napa and Solano Fair at Vallejo all centres at the Race track, and thus the records generally of all our Fairs called Agricultural Fairs, the one absorbing interest is at the "Race Track" and thus will it ever be until our Agricultural Exhibitions are managed and controlled by our best farmers, who realize the true purposes of such a Fair, we are glad there is a feeling growing up in our community to a reform in this matter, and when our State Fair shall rotate from county to county annually, then shall we see a healthy reform in all our Fairs.

The "Golden Gate Fair" at Oakland continued on and has been well attended, we are glad so much attention was given to the Pavilion exhibit, yet the great rush was at the *Races* as everywhere else, and when the time comes that our Agricultural Fairs are separate from the "Race Track" each holding their own exhibitions at different times, then and not till then shall we make due and real progress.

The Pavilion Fair and the Golden Gate Fair lengthen their time many days beyond their original date.

By a reference to our Fair List all can see what Fairs are yet to come.

Wisely insure at the New Zealand Insurance Co.'s office, 307 California Street.

WELCOME TO GENERAL GRANT.

"We scann'd the actions of his daily life,
With all the industrious malice of a foe.
And nothing meets my eye but deeds of honor."

Never before since the days when the beloved "Father of his Country" was no nobly and so universally welcomed in his Triumphal March through the Nation, has there ever been an occasion to pay such a tribute to a public man as now presents itself to the people of the United States, in a welcome to Ex-President General Grant on his return after an absence of two years from the country that he was instrumental in saving from a most unhappy civil war.

To us it seems a most providential event that the Pacific shores shall be the place of his first landing, and that he should come back to the United States through the "Golden Gate" of the Pacific, emblematic of a triumph of the "Reign of Peace."

It should be remembered by all that we claim General Grant as a Californian. He is one of us. He has done noble duty here in early years, drank in the vivifying breath of our winds, the sunlight of our perpetual summers, traveled over our golden sands, and thus become imbued with the spirit and enterprise that has made California what she is to-day.

It must be remembered also, that all the bravest and most victorious generals and officers of our army, in the late war, had inhaled this life giving breath from our golden shores, General Sherman, Sheridan, Halleck, Hooker, Baker, and many more, with the noble Captain then, now the victorious General. We claim all as Californians, gave them all honor then, and now with full heart we will sing

"HAIL TO THE CHIEFTAIN."

General Grant comes to the Pacific shores simply on the usual route that would complete the grand tour of a "Trip round the World."

San Francisco is naturally and destined ever to be, the emporium of "Commerce of the World," and most fortunately the people of the Pacific Slope will be permitted to enjoy the privilege of being the *first* to give welcome to this truly distinguished citizen of our beloved and most prosperous country.

The life and labors, the duties, trials, battles and victories of this victorious chieftain, are known and written not only in history, but in the mind and memory of a grateful people, as his coming will soon testify.

Already the heart beat of millions tells that the gratitude and honor of a generous and grateful people shall be accorded him.

General Grant seeks no praise or flattery, and would brook no fawning, he comes as a man who has done his duty to his country; that was his aim, and duty well done carries its best reward.

The people of the Pacific have now the opportunity to perform a pleasing and happy duty to him who so well merits it, and as the hour is drawing near,

"The busy note of preparation soundeth."

A few days more and the electric voice under the sea and in the air will flash the news of his coming, and from hill, valley and mountain, bonfires and illuminations shall tell of his approach—while from every lofty steeple and all public buildings, and from our homes that "Glorious Banner," our stars and stripes, that this noble Captain and General so nobly defended, and so ably redeemed and saved, shall brightly gleam and grandly wave to do him honor—but hark,

He comes! so speaks the cannon's roar,
He comes! again to tread our golden shore,
Not with the blood stained sword, the hero comes,
But for a grateful welcome to our homes.

The hero comes! the saviour of our land,
A joyous welcome greets on every hand,
From West, from East, from North, from South,
Come shouts of welcome from every mouth.

Such be the greeting that the chieftain meets,
From thronging thousands that fill all our streets,
While floating high the banners of our Nation,
Our "Stars and Stripes" honor his high station.

A grateful people unite with honest praise,
To crown him with a wreath of living bays,
They pay a loving tribute to our honored guest,
An honest tribute from the mighty West.

Peal forth your thunder then, let cannon roar
And echo welcomes loud from shore to shore;
Ring out ye merry bells, your peans ring,
While joyous hearts with shouts of welcome bring

Float high thou noble banner, thou honored flag,
For he, your great defender ne'er did lag,
But bravely fought, and nobly did defend
This mighty banner, till the war did end

And now he comes, and bids all strife to cease,
And with his motto saying, "Let us have Peace."
We greet, we hail him, saviour of our land,
For he our chieftain, "Was born to command."

Good Times Coming.

Now that the political whirlwind has past, our citizens can look round and gather up the fragments of many a man whose prospects have been wrecked in the passing storm.

However great may have been the number of slain and wounded victims of the late struggle, it will be a self evident truth that a crisis has passed, and if our leading citizens and our best men of all parties will now yield up all further partizan warfare and resolve that "good times" shall come, we shall have them.

All that is needed is a united action, good will to all, and a readiness to aid in the building up of confidence, and a willingness to make good times, then we shall have them assuredly.

The preparations for a hearty greeting to Gen. Grant will give new life.

CALIFORNIA FARMER IN AUSTRALIA.

We have been highly gratified and most gratefully thankful for a very flattering and generous notice of us personally, and of our efforts for the Cause of Agriculture in the days of its infancy on this Coast.

The generous words which we copy here, we found in the Queensland *Magazine* which was recently issued in Australia, we were surprised as well as grateful, and duly appreciate the kind notice of the author of the *Magazine*—our friends of 1852 and '53 can well remember those days of our early efforts at the Fair at Sacramento in 1852 but the seed then planted was not lost, for our State and this great interest has now become one of the wonders of the age.

That *Magazine* thus speaks:

"In introducing to the notice of our Australian friends, a few of our American cousins, "men who have made their mark; not only in America, but some of them in many other lands. I mention first Colonel Warren, the editor and proprietor of the California Farmer newspaper. In the time of the gold fever, Colonel Warren arrived with some of the old pioneers of settlement, while there was little or no settlement but the wandering miner, he with his keen eye for observation saw it was destined ere long to become the home of a prosperous agricultural people, and that its rivers and seas would soon be navigated by ships laden with the richest produce of the earth.

A large, neat, and handsome Descriptive Catalogue of fruit and ornamental trees, grape vines, shrubs, roses, dahlias, seeds, in endless variety, was published as early as 1853, in Sacramento, by Warren & Co., being the first catalogue of the class, published on the Pacific Coast. Settlement in new countries is generally very up-hill and slow work, and proved to be much too slow for the Colonel's impetuous nature. Astonished that everybody did not see with his eyes, and go into cultivation at once, to enlighten them towards the best means of doing it, he opened a *Hall or Museum of Horticultural and Natural Science*, and then established the California Farmer, a newspaper devoted to agriculture. After twenty-five I know of few, if any, newspapers in any part of the world that might be more welcome to every family; its contents are of a very high character, and nothing whatever low, offensive, or questionable has ever appeared in its columns.

Agriculture, being one of the most noble and honorable occupations of mankind, much information, in connection with both it and Horticulture, is ever found in its pages. Labor-saving machinery, new seeds, new plants, new trees, anything, and everything to benefit California, have been prominently advanced by the Colonel. He was one of the first to introduce from Chili the "Alfalfa or Chili Clover," which has proved of such utility in California for twenty five years—a plant which is destined before many years to be the leading fodder and hay producer of Queensland. He was also the first to plant our Australia eucalyptus seed, and distributed the trees over the State in thousands.

As an advertising medium, we can honestly recommend the California Farmer, published at 320 Clay Street, San Francisco. The paper, with all information, can be obtained through the proprietor of this *Annual* at Warwick.

Sacramento Prospering.

No city on this coast is at this time so really prospering with an active business as the "Queen City of the Plains."

The merchants of that city have with a keen foresight tapped many of the streams of trade that formerly came to this city, and many of the merchants that formerly made their purchases of merchandise here, now import their goods directly from the Eastern States and Europe—thus cutting off a large amount of trade from San Francisco.

Among the large merchants of Sacramento, the house Huntington, Hopkins & Company stand at the head, they do a business of millions annually—their trade extends to all parts of this coast and with their house in this city, it extends to the islands of the sea, Mexico and all South America.

Albert Gallatin, Esq., the active head at Sacramento, and member of both houses, is a merchant ably qualified to create business and manage large enterprises, and is one of the most active merchants among us—his public spirit has promoted many of the best improvements in the city of Sacramento.

The Wine Question.

We have received a very interesting volume upon the "Franco American Commerce," or as it really means, the Wine question, and the protective duties now in force for the *protection* of our American Wines, which "Mons. Leon Chotteau" from France in his mission in behalf of the Wine merchants and manufacturers of Europe has been trying to overthrow.

This volume contains 211 pages of valuable statements and statistics of the Wine interest of California, carefully prepared by Arpad Haraszthy, Esq., of the House of Landsberger & Co., with reports of our leading merchants and viniculturists, also our Senators and Representatives in Congress, all defending our great wine interest from the delusive statements and injurious results that must fall upon the wine interest of California if the Tariff on wines should be changed to favor *foreign interests*.

We return thanks for the volume from which we shall make reports soon.

Breadstuffs Wanted in Europe.

The general estimate of the wants of Europe the present year for our grain is 210,000,000 bushels, equal to 12,600,000,000 pounds, or 6,300,000 tons, to fill the vacant wants for the hungry of Europe.

This supply is to be met from all the shipping ports of our country, and the general immense crops in all the Eastern States, to say nothing of California, will make it a very easy matter and leave millions of bushels on hand, as two of our great grain States will have about 80,000,000 bushels this year.

Our Agricultural Fairs.

We invite attention of all interested in Agricultural Fairs to the best list published on this coast. Our District and County Fairs will appear as soon as Secretaries wake up to duty and send in their lists.

AGRICULTURAL FAIRS.

FOR THE YEAR 1879.

FOREIGN FAIRS:

AUSTRALIAN INTERNAL EXPOSITION.
FAIR AT SYDNEY.
Commences Sept. 1—Continues 6 months.

ONTARIO PROVINCIAL FAIR
FAIR AT OTTAWA.
Commences Sept. 22—Continues 6 days.

THE OLD STATES.

AMERICAN INSTITUTE FAIR.
FAIR AT NEW YORK City.
Commences Sept. 15 Continues 16 days.

CONNECTICUT STATE FAIR.
FAIR AT HARTFORD
Commences October 14—Continues 4 days.

DELAWARE STATE FAIR.
FAIR AT DOVER.
Commences Sept. 22—Continues 7 days.

ARKANSAS STATE FAIR.
FAIR AT LITTLE ROCK.
Commences October 20—Continues 5 days.

ILLINOIS STATE FAIR.
FAIR AT SPRINGFIELD.
Commences Sept. 29—Continues 7 days.

INDIANA STATE FAIR.
FAIR AT INDIANAPOLIS.
Commences Sept. 29—Continues 7 days.

ST. LOUIS FAIR.
FAIR AT ST. LOUIS.
Commences Sept. 22—Continues 20 days.

VIRGINIA STATE FAIR.
FAIR AT RICHMOND.
Commences October 28—Continues 4 days.

NORTH CAROLINA STATE FAIR.
FAIR AT RALEIGH.
Commences October 14—Continues 6 days.

MICHIGAN STATE FAIR.
FAIR AT DETROIT.
Commences Sept. 15—Continues 5 days.

GEORGIA STATE FAIR.
FAIR AT MACON.
Commences October 27—Continues 5 days.

MONTANA STATE FAIR.
FAIR AT HELENA.
Commences Sept. 29—Continues 6 days.

CHICAGO AGRICULTURAL FAIR.
FAIR AT CHICAGO.
Commences Sept. 3—Continues 16 days.

COLORADO STATE FAIR.
FAIR AT DENVER.
Commences Sept. 23—Continues 5 days.

SOUTH CAROLINA STATE FAIR.
FAIR AT COLUMBIA.
Commences November 11—Continues 5 days.

TENNESSEE STATE FAIR.
FAIR AT NASHVILLE.
Commences Sept. 30—Continues 6 days.

LOUISVILLE HORTICULTURAL EXPOSITION.
FAIR AT LOUISVILLE, KY.
Commences Sept. 2—Continues 16 days.

COUNTY FAIRS.

S. C. HORTICULTURAL SOCIETY.
FAIR AT PAVILION, LOS ANGELES.
Commences October 20—Continues 6 days.

UPPER SACRAMENTO DISTRICT.
FAIR AT CHICO.
Commences Sept. 30—Continues 6 days.

PACIFIC COAST.

OREGON STATE FAIR.
FAIR AT SALEM.
Commences Sept. ——Continues — days.

NEVADA STATE FAIR.
FAIR AT RENO.
Commences October 7—Continues 6 days.

AUSTRALIA.

Editors, strangers and citizens from the Eastern, the Middle, or Southern States, also Editors over our own Coast who may desire to see or refer to their own Journals, or any Agricultural or Horticultural Journals, will always find them on file in the Farmer Reading Room, to which they are always bid welcome.

A Large Library also, for *General Reference*.

Australia and California.

We have full files of Australian Papers from all parts of Australia, showing the great interest they take in this Country, one thing of great moment, is the "Steamship Line," it is of vital importance to the welfare of the Colonies, and so vastly important to the Pacific Coast in the great trade that can be built up between the Colonies and California, if our Merchants do their duty.

One Hundred Journals are arranged on file for the convenience of all who may desire to peruse them. We have as follows:—

The Sydney Morning Herald, Sydney.
" *Town and Country*, Sporting Paper, Sydney.
" *Australasian*, Melbourne.
" *Weekly Times*, " "
" *Adelaide Observer*, Adelaide.
" *Queenslander*, Brisbane, Queensland.
" *Week*, " "
" *Capricornian*, Buckhampton, Queensland.
" *Port Dennison Times*, Port Dennison.
" *Wide Bay and Burnett News*, Queensland.
" *Darling Downs Gazette*, Toowoomba, "

Many of these Journals are of the largest size, from 20 to 38 pages, several splendidly illustrated with views of the Public Buildings, Landscapes, Public Men, Stock, etc.

CONTRIBUTIONS FROM QUEENSLAND.

We Invite all our readers and our citizens especially who are interested in our Manufactures and the Mechanic Arts, and our Agriculture, to visit the Farmer Office and see the Rich Products brought from Queensland by the Commissioner, they are now on Exhibition open to all, in the Reading Room and Museum of the California Farmer Office.

A SPLENDID ESTATE.

One of the finest estates on this coast can be purchased on the most liberal terms, and at truly advantageous rates, offering to any gentleman, of means and taste, a rare opportunity to secure to himself an elegant location all ready made, with ORCHARDS, VINEYARDS, ORANGERIES, and GARDEN GROUNDS, all yielding a large income from the sale of Fruits, Wines, and other products annually.

This estate comprises from 300 to 350 acres of the finest land on this coast, admirably located, between well sheltering hills, in as beautiful a valley as can be found, and isolated from any other landholders, thus giving a true principality and a royal domain.

The reason of sale only is, the health of the owner to retire from so active a duty and so great a charge, to one of many years, as the care of such an estate demands, when the gathering of Fruits, marketing the same, the making of Wines, that the proper care of Orchards, Vineyards, etc., requires.

The income of this estate approximates to $60,000 annually, and to a company, or to any person, who will give due and proper care to such an estate, the whole property could be made with the income and profits in four or five years.

No description of this estate would do it justice, it must be seen during its heavy bearing crops to be appreciated, and now is the time for any person who wishes to secure a splendid and beautifully located country home to visit and examine the estate.

There are at present on the estate a neat cottage, wine and fruit houses, stables, etc., with ample surroundings for making a truly modern beautiful home.

What an opportunity for a truly prosperous enterprise in fruit raising and fruit preserving, and the leading fruits for export, both for fresh and dried, and also for wine making.

We give the proof of what a solid foundation there is on this estate for such an enterprise, by showing the extent and the number of trees now in bearing upon this fine estate, in the following data.

The Vineyard is one of the best in this State as to the selection of the vines and the variety, and to their present health and bearing state, being in their very prime. The Vineyard covers 35 acres, and is most perfectly located, so as to receive the morning sun.

The Orchards are most admirably located, trees are the choicest, all in the most perfect health and in full bearing, and their numbers, near as possible, are as follows:

Cherry	1,600
Pear	700
Apple	700
Peach	800
Plum	800
Quince	60
Pomegranates	50
Almond	50
Fig	70
Walnut	50
Orange, large	750
Orange, small and new kinds	35
Vineyard named above, acres	

A beginning and a basis for a splendid Orangerie of great value with the young Orange trees named above.

This immense collection is the grand basis of a fortune.

Here there is the foundation for a grand enterprise for raising choice fruits for our markets.

For making Raisins for export.
For Drying and Preserving for export.
For exporting Fresh Fruits East.
And for making Wine.

To a company of young, active, enterprising men, perhaps FOUR, who should each assume the head of different departments, viz:

One for Market Fruits.
One for Raisin Making.
One for Wine Making.

And one, a General Manager, to employ and pay men and superintend the labor department—such a division of labor making a certain success for all.

Here with a reasonable capital of some $15,000 in hand, a property of more than $50,000 could be controlled and could be made and cleared in less than FIVE YEARS.

The location of this property for beauty of scenery, for excellence of position to many markets, at home and abroad, is unequalled; and the reputation of the fruit grown on this estate is so famed that the highest price is always obtained for fruits bearing the name of these orchards.

Now then, in times like the present, is an opening for a splendid enterprise, the reason of the sale of this estate is the declining health of the owner and his advanced age.

The title to this estate is the most undoubted, and clear proof of the certain success of the prosperity of such an enterprise to energetic and capable men, can be clearly made.

All particulars can be had by bona fide purchasers, by addressing EDITOR FARMER.

Australia and New Zealand!

IMPORTANT INFORMATION.

Just Received at this Office

CLARKE'S

ILLUSTRATED QUEENSLAND ANNUAL.

Containing valuable information relative to that great and wealthy section of country, and of importance to our Merchants, especially to all who do business with that country.

THE

Queensland Almanac.

LAW CALENDER AND DIRECTORY FOR 1879,

For Brisbane, Queensland.

TWENTY-FIRST YEAR OF PUBLICATION.

A complete Directory of all the Interests of Queensland—A valuable work of over 500 pages

Price, $1.50 Mailed.

For sale at THE CALIFORNIA FARMER Office, Warren & Co. Agents for Publishers.

NEW VALUABLE SEED.

SEED OF THAT IMPORTANT TREE KNOWN AS THE famed BLACK WATTLE TREE, from which is gathered bark for Tanners' use in Australia, can be grown in California with great profit. More than fifteen thousand tons per year of the bark of this tree is gathered and used in the Australia colonies with great profit. Our farmers should look to this tree and have it grown in California for FARMERS use, and thus encourage HOME INDUSTRY. Fresh seed just received and for sale at FARMER OFFICE, 320 Clay Street San Francisco.

SAVE YOUR EYES.

AMONG THE MANY AND WELL ATTESTED virtues of the Eucalyptus Remedials, its great and invaluable agency in benefitting the EYE must is one of its prominent features. By careful tests made by persons having WEAK EYES, and persons even of an advanced age, who have used "Clarke's Concentrated Fluid Extract" for the eyes as a bath the most astonishing results have been attained, weak eyes have been entirely cured and aged persons have had their sight so greatly improved as to do away with glasses. This liquid is for sale at the FARMER OFFICE, the American Agency, 320 Clay Street.

S. H. Kennedy's Mf'g Co.

MANUFACTURERS OF

SHEEP DIPS.

The Largest of the Kind in the U. S.

Please Examine the list of the different dips and prices, viz.:

Dissolved Sulphur Dip,
Price, $2.25 a gallon,
This is equal to 30 pounds the best Sublimed Sulphur

Concentrated Extract of Tobacco Dip,
Price, $2.75 a gallon,
This is equal to 40 pounds best Leaf Tobacco.

Non-Poisonous Dip,
Price, $2.25 a gallon,
This is our Favorite Dip, as it Cures Scab and can be used at any degree of strength with safety.

HEMLOCK POISONOUS DIP,
Price, $225 per gallon,
And is the Best Poisonous Dip in Use.

EACH GALLON OF THESE DIPS
Will make enough for 225 Sheep After Shearing.

Put up in One and Five Gallon cans with full directions for use.

Pamphlets sent Free to any Address.

Sold by all Principal Dealers in the United States.

S. H. Kennedy's Mf'g Co.,
OMAHA, NEB.

FALKNER, BELL & CO.,
SAN FRANCISCO,
Agents for the Pacific Coast.
42:15

Sydney International Exhibition,

ROUND THE WORLD TICKETS.

THE PACIFIC MAIL STEAMSHIP COMP'Y

Will issue Round the World Tickets, giving first-class accommodations for the entire route, at the low price of $650. For particulars apply to

WILLIAMS, BLANCHARD & CO.,
General Agents,
Corner First and Brannan Streets.
49:15

The most complete assortment in the West. A particularly fine lot of Standard Pear Trees. Also a superb lot of as healthy Peach Trees as were ever grown. Full stock of Apple, Plum, Pear, Peach, Cherry, Quince, etc. A select lot of Grapes, Raspberries, Gooseberries, Currants, Strawberries, etc. An immense stock of Greenhouse Plants. Trade-List and Greenhouse and Bulb Catalogues free. Correspondence solicited.
26th Year. 400 Acres. 15 Greenhouses.

STORRS, HARRISON & CO.
PAINESVILLE, LAKE CO., OHIO.

42:15 o.w

PHIL NEIS,

Hop Dealer and Commission Merchant.

HOPS AND BARLEY SPECIALTIES.

Pressed Hops in ¼, ½, and 1 pound Packages.

108 CALIFORNIA STREET,
SAN FRANCISCO.
49:14

EUCALYPTUS TESTIMONIAL.

BETTER THAN QUININE IN FEVERS.

Extract from a letter from the Rev. George Brown, of New Brittain, to David Clarke, Chemist, Warwick, Queensland.

DAVID CLARKE—*Dear Sir*

"During the last sickly season, as it has been one of unusual severity, nearly every foreigner and nearly every member of our Mission has been down with Fever, which was either the Bilious Remittent Fever or Intermittent Fever, in most cases assuming the former type. I found your Pills very useful indeed, and both the Teachers and Natives thoroughly believe in them. * * * * I have found your Eucalyptus Extract very useful as a tonic after the first violent symptoms of the fever has been subdued, and in one case lately it seemed to do good when I could not succeed with tonic doses of Quinine. I mean to try it fairly in one or two cases when I can see it administered regularly myself. * * With kind regards, I am Dear Sir,
Yours truly, GEORGE BROWN."

SEND THE FARMER ABROAD.

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, to send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a JOURNAL as the CALIFORNIA FARMER. We know our JOURNAL is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the HOME CIRCLE everywhere, as a JOURNAL free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, SPECIAL PREMIUMS OR SEEDS are donated with the paper, to benefit our State.

DEERE & COMPANY,

MANUFACTURERS OF THE

JOHN DEERE MOLINE PLOWS.

MOLINE PLOW WORKS.

11-INCH STUBBLE PLOW.

THE WORLD'S FIRST PRIZE AT THE VIENNA EXPOSITION IN 1873.

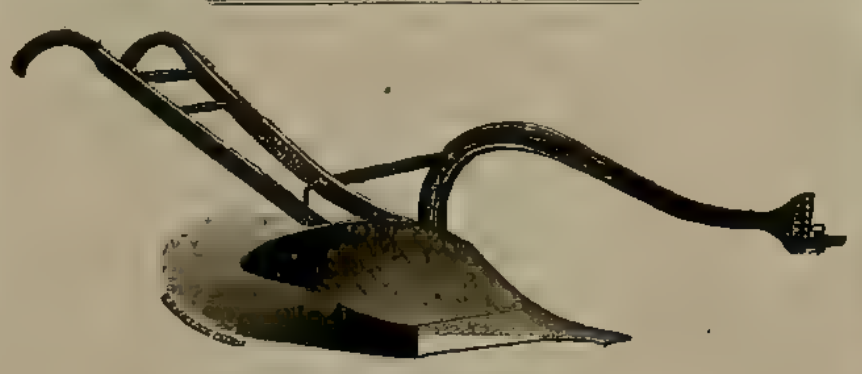
The points sought for in plows are steadiness of run, ease of draft, perfect work, and durability—and these important considerations we think we have secured to our plows. This was so decided by the Committee at the Great Vienna Exposition, who awarded the prize to our plows.

THE DEERE GANG PLOW.

Its ingenious construction and simplicity are shown in the fact that by *one lever* it is operated to any required depth. Opens up the first furrow and finishes the land by simply *moving the lever* from one notch to another, the plows maintaining a level position at all depths; and by pressing the same lever outward until it locks into a lug on the hub, the plows are carried clear of the ground by a half revolution of the wheel.

Its strength and durability are shown by merely stating that it is all *iron and steel*; and although there are many lower priced Gangs than ours, its cheapness is demonstrated by its greater durability and superior adaptation to the purpose for which it is designed. The DEERE GANG has an advantage over others, also in its lightness of draft, as has been proved in many dynamometer tests, and the many farmers having them in use have become satisfied, by comparative *team tests*, that no draft is added by the weight of frame and driver; and this is accounted for by the well known fact that a heavy load can be carried on wheels easier than a lighter one can be dragged on the ground.

The principle on which the DEERE GANG is constructed is such that the tendency of the plows to run at greater than the required depth is arrested by *the lever*, and the weight of plows and earth upon them, as well as that of the frame, is transferred to and carried by the wheels.



IRON BEAM PLOW.

The stickiest soil will not adhere to the working surface and more and better work can be accomplished with them each day, with ease to team and plowman, than with the plows of any other make.

They have been awarded the highest prizes ever offered in the country on plows, and have successfully carried off the prizes offered by the agricultural societies of the different Western States, and last season was awarded the GRAND PRIZE in field trial at the PARIS EXPOSITION, besides many prizes at other European trials of lesser note.

DEERE & COMPANY,
MOLINE, ILLINOIS, U. S. A.

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

Full Directions for Use Accompany every Box.

CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

Clarke's

LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without dangor of taking cold.

They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1872.

To MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed *good health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON.

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 23, 1874.

To MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)
JOHN GREEN,
—Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus:

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir.*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,
GALEN CLARK,
Commissioner Yosemite Valley.

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, coming from so high a source, we feel it a duty we owe to the public to give it the following letter:

SANTA CLARA, SANTA CLARA COLLEGE.

COL. WARREN *Dear Sir.*

Heretofore we have had no occasion of trying the Eucalyptus Medicines, in Pills or Liquids, but we have commenced to use them, and we find them very beneficial; some of our Fathers find a great relief in their complaints; the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare. Yours respectfully,
A. CICHI, S. J.

At later date we received the following, another proof of the virtue of this Medicine:

The Pills we find to be a mild and beneficial cathartic. The Liquid Extract is a valuable Blood Purifier and a good appetizer A. CICHI, S. J.

The above from Prof. Cichi, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedial.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you Davis Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY
David Clarke,
Manufacturing and Wholesale Chemist,
AT HIS LABORATORY,
Warwick, Queensland.

FOR SALE BY
WARREN & CO.,
SOLE AGENTS FOR THE
UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

WATKIN'S

NEW SERIES

—OF—

Yosemite and Pacific Coast Views,

—ONLY AT—

427 MONTGOMERY STREET
San Francisco. 49:16

Home Miscellany.

"There is no place like HOME.
Home! It should be Heaven on Earth

SEPTEMBER.

The golden-rod is yellow;
The corn is turning brown;
The trees in apple orchards,
With fruit are bending down.

The gentian's bluest fringes
Are curling in the sun;
In dusty pods the milkweed
Its hidden silk has spun.

The sedges flaunt their harvest,
In every meadow nook;
And asters by the brook-side
Make asters in the brook.

From dewy lanes at morning
The grapes' sweet odors rise;
At noon the roads all flutter
With yellow butterflies.

By all these lovely tokens
September days are here,
With summer's best of weather,
And autumn's best of cheer.

But none of all this beauty
Which floods the earth and air,
Is unto me the secret
Which makes September fair.

'Tis a thing which I remember;
To name it thrills me yet;
One day of one September
I never can forget.

COUNSEL.

If thou dost bid thy friend farewell,
But for one night though that farewell may be,
Press thou his palm with thine. How canst thou tell
How far from thee

Fate or caprice may lead his feet
Ere that to-morrow comes? Men have been known
To lightly turn the corner of a street,
And days have grown

To months, and months to lagging years,
Before they looked in loving eyes again;
Parting at best is underlaid with tears,
With tears and pain.

Therefore, lest sudden death should come between,
Or time, or distance, clasp with pressure true
The hand of him who goeth forth; unseen
Fate goeth too!

Yea, find thou always time to say
Some earnest word between the idle talk,
Lest with thee henceforth, night and day,
Regret should walk.

AN OLD MAN'S MADRIGAL.

BY MRS. M. B. SANTA.

Come out in the sunshine with me to-day,
Dear love, and wander once more away;
Where velvety bees in buttercups drone,
And the brown thrush sings, let us go alone.
See, the sky is bright as beautiful eyes,
And its glories bend o'er a paradise!
For the May has come to the youthful year;—
And only we two seem old, my dear,
Mid the growing loveliness far and near.

Over there where lifts the transparent green
Of beeches, aglow in the sunshine's sheen,—
Where fern-fronds beckon, and purple bloom
Of wild phlox faintly the shades perfume,—
In this temple pure, let our souls commune
With its veiled High Priest, who will call us soon!
For the May has come to the youthful year;—
We are as snow-drifts lingering here,
From the warmth and light to disappear.

My Love's is no girlish, wild-rose face,—
But I gather it close, in my weak embrace,
And tremulous shread the thin white hair,
That once was a wealth of spun-gold rare;
And I scarce can see the eyes, so bright,
Ere they shadowed dim with Death's coming night;—
For to us, after May there shall draw anear
No riant June of a glad new year
This side of the sunset, almost here.

But we hope while we wait alone to-day,
(Our love all that live of our vanished May)
That the withered cheeks and the worn forms bold—
Like you prisoned worm, in its silken fold—
A beauty no human lip has told;
In a form unpictured, shall arise and soar
In most glorious sunshine forevermore;
Shake off, like that worm, our wrinkled clay,
Catching hues undreamed in our earthly May.

—*Woman at Work.*

BABY'S APPEAL.

"Most ev'ry body tases me,
And tells me I am sweet,
And says, 'what pitty 'ittle hands;
What tunnin 'ittle feet?

"And 'taint so fun for 'ittle me,
So mussed and hauled about,
Wiz rough old whiskers all 'cratched up!
I wub my nose and pout.

"Say, now, big folks, how would oo like
To be in Snowd'op's p'ace—
Have each old poke that comes along
Put tisses on oor face?

"Oo would not like it, I know dat—
Now would oo? Tell me, say!
Kiss oo must 'cuse tell a fib,
Or div oorself away."

A Fashion to Follow.

Louise, Victoria and Maud, the young daughters of the Prince of Wales, rarely appear in public in any but the simplest of dresses. They are sometimes seen with their mother at the theatre in plain white linen or cotton sailor dresses, with a little red trimming, and they are often met riding and driving in neat sailor dresses of dark blue woollen. They went with their father and mother to the recent French fairs in gowns of plain pink cambric, with sashes of crimson harmonizing with the pink.

Wisely insure at the New Zealand Insurance Co.'s office, 307 California Street.

THE ORIGIN AND HISTORY OF THE GREAT EUCALYPTUS MEDICINES.

BY DAVID CLARKE, CHEMIST.

Since my arrival in Queensland it has been my special study to carefully observe the habits, mode of living, food, and occupations of the inhabitants. To me it appears certain that the people do not live under the same conditions here as in Great Britain. The population here are so sparsely distributed that there is not the same happy interchange which in thickly populated places assists so much in giving buoyancy to life, and in removing many a morbid feeling which engenders disease. A very large proportion of the inhabitants are more or less directly engaged in pastoral pursuits, in timber-getting, mining, carrying, etc., the last three causing many to be without any fixed home, and exposed to every influence and change of climate, subject to heavy dews at night, and parching sun by day. The food of these people, and in fact the larger proportion of country residents, consisting entirely of beef or mutton and flour—upwards of two parts of the former to one of the latter, a very unnatural proportion, especially in a warm climate,—with the entire absence of vegetables or ripe fruit of any kind. In India, the southern portion of Europe, and in all warm latitudes, fruit and vegetables form a large proportion of the staple food. In the shearing season many men are compelled to work in washpools, up to their waists in water for some hours a day, for months together. I also find that a very large proportion of these people were compelled to use purgative medicines, of one kind or other, nearly as regular as their food. Pills, on account of their portability and convenience, are principally used, and many of these unfortunately are composed of materials unfitted for the requirements of those who use them. It was therefore no unusual thing to see one or two carried away from the washpools to the nearest hospitals, having all the symptoms of mercury or antimony poisoning. And yet nineteen-twentieths of the entire population continued to suffer from sluggish or diseased liver.

To meet this great want is entirely out of the way of the regular medical practitioner; alas, many allow the evil to assume dangerous proportions before a competent medical man is called in. The most casual observer will have little difficulty in being able to understand that medicines suited to the inhabitants of Great Britain, will not equally answer under such entirely different circumstances as exist is Queensland, and that men who entirely ignorant of the general diseases and conditions of the people cannot prescribe a medicine likely to benefit them. Seeing this great want I applied myself diligently to compound a medicine suited exactly to the general disease of the colony, keeping in view the exposure of the people to wet and dry. For many years I made a very excellent pill, which was very liberally patronised by the public; but I found it would not answer here. The ordinary medicines usually used in pills would not answer all the requirements, so I made application to a manufacturer of high standing in London to have materials specially prepared for myself. After three years' searching investigation and close study appeared the "LIVER AND BILIOUS PILLS," now so universally used and held in such high esteem. Scarcely a day passes without testimony to substantiate the benefits received from their use, many being raised from the verge of the grave by using them.

Some short time after I commenced to manufacture these Pills, and desiring to make, if possible, any improvement, I asked the opinion of a medical gentleman of very high standing, whose opinion was worth as much as any in Australia. He gave it to me, and I now let the public know what he said:—"I have never seen so excellent a combination of medicines suited for general purposes before in my life." The principal aim I had in the manufacture of these Pills was to produce a mild stimulant for the liver, and a gentle purgative that could be relied on, and that might be taken at all without danger of taking cold.

Some months after their appearance, as an old digger in this neighborhood, who for many years had been afflicted with attacks of fever and ague, called to say that some months past he had got a large box of my Liver and Bilious Pills, and after a few doses the fever and ague left him, and he had not since had any attack. Many diggers who were suffering with fever and ague, and had been forced away from the north with that disease, called with him, and they found that a few doses of the Pills generally put them to rights. This testimony has been confirmed by hundreds since. Some three years ago a gentleman called to say that for many years he had been afflicted with piles; he had resorted to every means he was aware of, with only very temporary relief. He had commenced using my Liver and Bilious Pills, and from the first few doses he had felt relief, and at that time the disease was removed. He was leaving the district, and wanted a few boxes to take with him, lest the disease might return. Scores of satisfactory testimonies have been given since, respecting their extraordinary power of completely removing piles.

When writing the above, only four (4) years ago, I had little idea of the immense popularity—in so short a space of time—that was in store for my Pills; and also for another preparation, viz., COMPOUND FLUID EXTRACT OF EUCALYPTUS, that I commenced to manufacture about seven years ago.

These medicines have since been introduced into America—principally the Eastern States—with the most satisfactory results. Thousands, who have been suffering from various diseases, gratuitously testifying to their mild but extraordinary power in arresting disease and restoring to health.

They have also been introduced into some of the islands of the Pacific, and the first gratitude exhibited by the natives was for the dose dealt out, when prostrate with fever, of "CLARKE'S LIVER AND BILIOUS PILLS," followed by "CLARKE'S COMPOUND FLUID EXTRACT OF EUCALYPTUS," administered by the white man's hand.

By the Chinese they are extensively used, and are growing in favor by those who have used them longest.

WHAT IS EDUCATION?

What is education and what are the essentials to make a GOOD SCHOOL?

This subject has been wisely, earnestly and truthfully pictured in the *Christian Union*, July 16, in an essay upon selecting a school.

Says the editor:—"The essentials of a good school are four, hygienic, thoroughness, individual development, and moral training."

"That good schools destroy the health by hard study is a legend unworthy of credence. One night of dancing at a home party will impair the health more than six months of hard study in a well ordered school. Send your invalid boy to a hygienic school for his health; we speak from experience, having tried the experiment and seen the result.

"The object of education is, not learning but power. He who has analyzed one flower under the microscope has acquired more mental power than he who has merely gathered a whole bouquet.

"Select a school that does mental subsoiling. Men ought to be cultivated—not like corn, in rows, but like grape-vines, each trained on its own trellis. The good teacher studies his pupils more than his text books. Select a teacher who cares more for his pupils than his fees.

"Beware of processes that dwarf the conscience and the affections in developing the intellect. The school ought to be religious, though it need not be denominational. Its moral efficiency depends not on the creed it confesses or the church it attends, but on the manly virtues of the Principal and the womanly tenderness and spiritual sympathies of his wife. Religion cannot be hired along with French and drawing; it must be taught less by formal lessons than by the unconscious life of the teacher."

A GRAND LESSON FOR GIRLS.

LOOK FOR HER.

[Oliver Wendell Holmes has written a brief but a grand lesson for our girls to think over, and our young men must take Mr. Holmes' advice just the moment they find the Holmes' kind.

If Oliver Wendell Holmes should spend a few evenings at the Pavilion, and see the GIRLS *there*, we wonder how many he would select in one hundred and say they were Premium Girls.—ED. F.]

The true girl has to be sought for. She does not parade herself to show goods. She is not fashionable. Generally she is not rich, but oh, what a heart she has when you find her! so large and pure and womanly. When you see it you wonder if those things outside were women. If you can gain her love, your two thousand are millions. She'll not ask for a carriage or a first-class house. She'll wear simple dresses and turn them if necessary, with no vulgar magnificat to frown upon her economy. She'll keep everything neat and nice in your sky parlor, and give you such a welcome when you come home that you will think your parlor higher than ever. She'll entertain true friends on a dollar, and astonish you with the thought of how little happiness depends upon money. She'll make you love home (if you don't you are a brute) and teach you how to pity while you scorn a poor fashionable society that thinks itself rich, and vainly tries to think itself happy. Now do not, I pray you, say any more, "I can't afford to marry." Go find the true woman, and you can. Throw away that cigar, burn up that switch cane, be sensible yourself and seek your wife in a sensible way.

BLOWS ON THE HEAD.

[This is a subject worthy the most serious reflection of parents and teachers, many children have been ruined for life by this criminal practice of a slap or blow upon the head.—*Hall's Journal of Health* thus speaks of this evil.—ED. F.]

Blows on the head may be treated with applications of either warm or cold water while waiting for the doctor. Accidents to the head are very common with children from falls, blows, etc. When serious, the child should be put to bed and given a thorough dose of salts or castor oil. The The head should be bathed with cold or warm water, liquor or some stimulating liniment. The body should be kept warm, and mustard or other stimulating applications put to the feet, the object being to draw the blood away from the head and prevent inflammation. The child should keep the bed till this danger is passed. The permanent injury resulting to children from blows inflicted on the head as punishment, calls for the severest reprobation. Thousands of children are ruined in this way, and their lives made useless through suffering from diseases of the brain thus induced.

If a child is to be beaten (as it is not permitted to beat dumb brutes in any highly civilized community) they should never be struck on the head.

There are better methods of correcting children than to beat them, and I doubt if any child was ever made better by it. Some important element of humanity must be wanting in the parent or teacher who can seize the little frail form of a child that can make no resistance and inflict pain upon it with blows. I would as soon think of striking my father or mother as one of my children. My parents entertained the same views, though they had a houseful of noisy and happy youngsters to manage. Still none of us went to the bad. Indeed, I am willing to confess myself the worst of the seven.

DOMESTIC RECEIPES.

CRANBERRIES.—To keep these berries whole while stewing, prick each one with a pin; lay them in sugar over night, and cook very slowly. They are much nicer in this way than when all stewed to pieces.

RICE SNOW.—Put to cook four spoonfuls of ground rice—it can be ground in any coffee-mill—in one pint of water; stir well and cook about fifteen minutes, then add two spoonfuls of white sugar, and flavor with lemon-juice; have boiling one pint of milk, pour it over the rice, stir well and let it boil until thick; then pour into a dish for the table. It is excellent, either warm or cold.

A DREAM.

I seemed wandering in a vast crowd hurrying to and fro amid the throng that appeared pressing on to some given point.

It seemed a very happy gathering like those going to some merry meeting, and anticipating the coming of some distinguished guest.

On, on went the crowd, when all at once we were amid a throng of splendid carriages of various kinds, single and double, phaetons and coupes, all moving with their gay and happy riders, soon the crowd stopped and the masses pressed around an elegant and highly finished double seated carriage, which I soon recognized was one of the OPPENHEIM DOUBLE CARRIAGES, from the manufactory of B. Grave & Co., this elegant outfit was drawn by four splendid horses with richly trimmed harness, this too, I know to be from the Saddlery and Harness Warehouse of Main & Winchester, and so really splendid was the complete outfit the crowd pressed closely upon it to examine it, when some one said loudly *see the crest* upon the carriage door, and turning we saw G. C. P. in gold letters, in a wreath of olive leaves, when the crowd again raised a shout of welcome, saying G. C. P. the "Grand Conqueror of the People," and there in the carriage was the victorious Gubernatorial Candidate, GEORGE C. PERKINS.

Then the crowd raised another shout as the carriage passed on in its triumphal march, and its noisy shouting woke me from my dream, and my vision was explained.

I had attended the Fair at the *Pavilion*, had spent some time at the splendid exhibit of the Harness of Messrs. Main & Winchester, had examined the many carriages, particularly of Messrs. Grave & Co., and seen their excellent movements, had conversed upon the elections and their probable results and wearied with severe and continuous labor I retired to rest, and the dream was the second coming of my evening's rambles and thoughts—and yet, it may all be realized in the near coming future—for we shall hope to see such a carriage, the same crest upon the door plate, the same harness and the same "Conqueror of the People," *balloted* for the people's good, so that they may soon move on to a higher prosperity under a wise and good Government, for our noble State.

May not then the phases of this dream also mean that this same GUBERNATORIAL CARRIAGE may be the emblem of the gathering that is soon to welcome to the Shores of the Golden State the next President of the United States, "ULYSSES S. GRANT" a guest that has been more honored abroad by kings and potentates than any other mortal man in all human history; strange things are dreamed of, and yet how often dreams prove true.

ELLIOT.

The Donner Party.

A most deeply interesting book of near 200 pages, giving a full account of the formation of the Donner Party and their perilous and calamitous journey over the plains to California in 1846, has now just been published by Messrs. Crowley & McGlashan, proprietors of the Truckee *Republican*.

The terrible sufferings of the Donner party, the pioneer immigrants over the plains in those early years, stands out as a landmark in the history of California, and this book will excite a universal desire of all to know the history of those early pioneers.

The book is sent out in good style, well written, the events tenderly and graphically described, doing credit to the author and publishers.

When we visited "Donner Lake" some years ago, we gathered some relics of that party that we treasure highly.

This book should be in every family as a memento of early times.

What is Wealth?

It is not gold or goods that makes a man wealthy. The best wealth is of the heart, an enlightened mind, a loyal conscience, pure affections. He is wealthiest who has the largest stock of wisdom, virtue and love, whose heart beats with warm sympathies for his fellow man—who finds good in all seasons, all providences, all men. The generous man who pities the unfortunate, the poor man who orders well his life, the loving man who clings closely to his family and friends, the studious man who seeks instruction in all things, are truly wealthy men.

"Can gold calm passion, or make reason shine?
Can we dig peace or wisdom from the mine?
Wisdom to gold prefer; for 'tis much less
To make our fortune, than our happiness."

Good Yeast—Good Bread.

Making a raise seems to be the grand object nowadays, either by *Stocks* or *overdrafts* in *Banks* and *Banking*, or some sudden effort to "make a raise."

The best plan we have recently seen put in practice is that of the agent of the ROYAL YEAST POWDER, now exhibited at the Pavilion.

Messrs. W. T. Colman & Co., the agent, offers to give away an entire *car load of this Yeast* in samples at the Fair, and thus help some 10,000 persons to *make a raise*, of—of—of well kneaded dough, into the nicest bread ever made.

This is a generous act on the part of the agents, but they are rich and can afford it, as they know that this "Royal Yeast Powder" eclipses all other brands, and is proving the BEST YEAST POWDER known.

BEAUTIFUL NEW SONG.—We have received from the publishers, S. Brainard's Sons, Chicago, the new and beautiful song and chorus by Geo. W. Persley, "The Little Spring Beside my Cabin Home," one of the prettiest songs published in years. Every singer should send for it. It can be obtained of most music dealers or on receipt of 35 cents it will be mailed post-paid to any address by the publishers, S. Brainard's Sons, Chicago, Ill., who will also send their large catalogue of music and music books free to any one on application.

SHERMAN & HYDE,

WHOLESALE AND RETAIL

MUSIC DEALERS,

CORNER KEARNY AND SUTTER STS.,

San Francisco.

WEBER PIANOS

.... ARE ....

THE BEST.

What the Great Musicians and Singers say of them.

NEILSON. I shall take every opportunity to recommend and praise your instruments.

KELLOGG. For the last six years your Pianos have been my choice for the Concert Room, and my own home.

PATTI. I have used the Pianos of every celebrated maker, but give yours the preference over all.

STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

WEHLL. Madame Parepa called your Pianos the finest in the United States. I "fully endorse," that opinion. They have no "rival anywhere."

MILLS. Amongst the many excellent Pianos made in the city, the Weber ranks foremost.

LUCCA. Your Uprights are extraordinary instruments and deserve great success.

MURSKA. Your Instruments surpass my expectations, and I rank you justly as the Foremost Manufacturers of the day.

GODDARD. Your Instruments have no "superiors" anywhere. I certainly have not seen any Pianos in America which approach them even.

The Cottage Gem Piano,

Is 7 Octave. Serpentine Mouldings. Carved Legs, and is the BEST PIANO in the market for the price.

$350.00.

The Standard Organ

Has a Beautiful Case, full, rich tone, and for durability

Excels all Others!

.... FOR ....

Sheet Music, Music Books,

OR ANY ARTICLE IN THE

MUSIC TRADE,

CALL ON, OR ADDRESS,

SHERMAN & HYDE,

CORNER KEARNY AND SUTTER STS.,

44:21 SAN FRANCISCO.

Santa Clara College, S. J.

SANTA CLARA, CAL.

THE TWENTY-NINTH ANNUAL SESSION OF THIS Institution will be resumed Tuesday, August 2d.

This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It occupies six large buildings with extensive shady playgrounds, covered gymnasiums, swimming pond, etc.

It possesses a most complete philosophical apparatus, and valuable collections of mineralogy and geology. It has a practical schools of Assaying, Surveying, Telegraphy, Photography, and Commercial business. For the latter a new building 180x40 has just been finished that leaves nothing to be desired.

Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course.

TERMS—(Payable semi-annually in advance) Matriculation fee, to be paid but once.....$ 10
Board, Lodging, Tuition in all branches, Washing and Mending of Linen, School Stationary, Medical attendance and Medicine, Baths, etc., per session of ten months.....$250

For further particulars apply to the President of Santa Clara College, or to St. Ignatius College, 841 Market Street, San Francisco.

34-1 REV. A. BRUNENGO, S. J., President.

GRAND TRIUMPH FOR EUCALYPTUS.

EUCALYPTUS WILL CONQUER DISEASE.

We publish the following strong TESTIMONIAL in favor of the GRAND REMEDIAL POWER of the Eucalpytus, prepared by DAVID CLARKE, CHEMIST, of Australia.

This Testimonial comes from a prominent Merchant of this City, whose name is with us for reference for all who suffer and would be relieved.

SAN FRANCISCO, April 7, 1870.

EDITOR CALIFORNIA FARMER—*Dear Sir:*

Some time ago I had the misfortune to sustain a dislocation of the shoulder received from a fall, and while I was suffering the most acute pain as the effect of it, so much so as to be deprived of my sleep nights, I met my old friend, Col. Warren, who presented me with a bottle of "Eucalyptus Oil" saying as he did so, "try it." "bathe the shoulder and arm well, and on retiring saturate a cloth with the oil and bind it to your shoulder, and you will have no more sleepless nights on account of pain from that." I followed the Colonel's directions, and must say that the Eucalyptus will do all that is claimed for it as an alleviator of pain (rheumatic and otherwise) and more too.

A preparation made from the Eucalyptus Trees, by frequent ablutions of the eyes will restore weak eyes to strong ones and positively restore the sight as good as ever to persons whose eyes are failing, if they will keep their body in good condition by the use of Eucalyptus Pills—while using the wash. Yours truly, G. H. B.

N. B.—There are many compounds made in this State, yet however good, the *genuine* Remedials are those prepared by David Clarke, Warrnambool, Australia, for sale by Warren & Co., Agents.

WELL AUGER.

Ours is guaranteed to be the best in the world. Catalogue free.
W. W. GILES, 149 Clark st., Chicago, Ill.
40:14 6t eot

Miscellany.

Gatherings along the way side,
Floating gems by every tide.

MINNEAPOLIS.

Among the rising cities of the Northwest there is none, perhaps, that has shown a more surprising growth than Minneapolis, Minn. From a population of less than 6,000 in 1860, it now contains 48,000, and its industries during that time have been equally extensive. It is one of the most important milling centres in the country, being in the heart of the finest wheat growing sections in the country, the annual shipments of flour having attained to a million barrels of flour. Its next most important industry is the lumber interest, which has grown to colossal proportions. In the last decade its wholesale trade has grown from one or two small grocery establishments, selling less than $100,000 annually, to forty or fifty firms, engaged in all branches of trade, selling over $10,000,000 annually. These do not include manufacturers, who job their own wares, or the product of either the flour, lumber, oil, woolen or cotton mills, which would swell the amount to over $20,000,000. It has a banking capital of $2,000,000, and a variety of important industries besides those already mentioned. The business men of Minneapolis, as a body, have a well earned reputation for enterprise and integrity, and they are offering their wide-awake neighbors of St. Paul a sharp rivalry in the race for supremacy in the trade of the Northwest. In the language of the annual report of the Board of Trade "it requires no prophet's ken to foresee greater improvements in Minneapolis during 1879 than in any former year in its history, unless some great calamity befalls the city and country during the year."

PHILADELPHIA INDUSTRIES.

Philadelphia is undoubtedly the leading industrial city on this continent. Her industries in the amount of capital employed, number and extent of factories, as well as the weekly payroll of laborers, is greater than that of any other chief centre of manufacture. The Manayunk, Germantown and Kensington districts are justly celebrated for the variety of their manufacturing establishments, the completeness and improvements of their machinery, and skill an efficiency of the hands employed, and the superior character of the goods produced. Cotton and woolen fabrics are here made of nearly every grade, style and quality that the trade require, while hosiery underwear and fancy knit woolens of Germantown manufacture have a distinctive character and reputation in the market for excellence and finish. All of the immense carpet establishments in England combined do not turn out as many yards of carpet annually as are produced in Philadelphia. In the variety and extent of this industry she takes the lead over all other cities in the world. The productions of wool and worsted yarns adds another large element to the list of her manufactures, and their superior quality finds them a ready market, not only at home, but in New England and New York State as well.

The production of dress goods in staple and fancy styles is carried on to a large extent, also shawls, cloakings, fancy cassimeres, cheviot cuttings, worsted coatings, cloths, doeskins, beavers, satinets, flannels and Kentucky jeans. Her cotton fabrics are equally as extensive as her woolens in their variety and styles.

History conclusively shows that the leading cities of the world cannot maintain their commercial supremacy by mere trade alone; but where there is the basis of great industrial pursuits to build upon, then commerce and manufacture join together, erect on solid foundations the great centres of wealth and power. Viewed from this standpoint, a commanding future awaits the further growth and development of the "Quaker City."—*N. Y. Economist.*

A CYCLOPEDIA FOR $10.00.

Perhaps the most remarkable literary enterprise of the time, is the publication of the Library of Universal Knowledge, in 20 volumes of nearly 1,000 pages each, handsomely bound, for 50 cents per volume, or $10.00 for the set. It is a reprint entire of the last (1879) Edinburgh and London edition of Chambers' Encyclopedia: A Dictionary of Universal Knowledge for the People, with very large additions upon topics of special interest to American readers. The amount of matter will somewhat exceed that of the Cyclopedias of Appleton or Johnson, though the price is but a fraction of their cost. Volume one will be ready in September, and the others will follow at very short intervals. The remarkably low prices are accounted for by the method of sale, to the subscribers direct, saving them the large commission, often 50 or 60 per cent., paid to agents or dealers; also, by the recent great reduction in the cost of making books, and by making very large sales. This certainly is a work that the millions will appreciate. Special inducements are offered to early subscribers and to clubs.

The same publishers have recently issued editions of Chambers' Cyclopedia of English Literature, 4 vols., $2.00, formerly sold in 2 vols., for $9.00; also, Rollins' Ancient History, and Josephus' Works, large type editions, for $2.25 and $2.00, and Smith's Bible Dictionary, $1.00.

They also publish, in August and September, the Acme Library of Biography, 12 vols., and the Acme Library of Modern Classics, 9 vols., the former at 25 cents and the latter at 50 cents per vol. In these series are presented such authors as Carlyle, Macaulay, Gibbon, Goldsmith, Lamartine, Michelet, Thomas Moore, Walter Scott, and Fouque, and such subjects as Cæsar, Cromwell, Burns, Joan of Arc, Wolfe at Wakefield, Picciola, Lalla Rookh, &c. Full catalogues of publications, terms to clubs, &c., will be sent free on request, by the publishers, American Book Exchange, 55 Beekman St., N. Y.

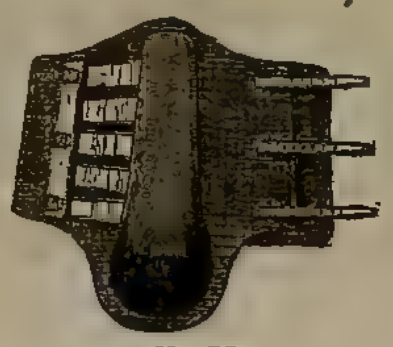
How to Meet a Dog.

A gentleman gives the following advice in relation to dogs: "If you enter a lot where there is a vicious dog, be careful to remove your hat or cane as the animal approaches you, hold the same down by your side, between yourself and the dog. When you have done this you have secured perfect immunity from an attack. The dog will not attack you if this advice is followed. Such is my faith in this policy that I will pay all doctor bills from dog bites and funeral expenses for deaths from hydrophobia."

MAIN & WINCHESTER

Nos. 214 and 216 Battery Street,

SAN FRANCISCO.



No. 35.
ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47:20

SAN FRANCISCO CORDAGE CO.

ESTABLISHED 1866.

Have constantly on hand a full supply of all kinds of Manila and Sisal Rope—manufactured from the pure Fibres—and by the latest improved machinery. All our Manila Rope GUARANTEED.

HAY ROPE.

The special advantages of Rope for baling purposes, are the uses to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for Halters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when baled with Rope.

FOR SALE BY ALL DEALERS.

TUBBS & CO.,
611 AND 613 FRONT STREET,
SAN FRANCISCO.
49:7

A GOOD PLAN.

Anybody can learn to make money rapidly operating in Stocks, by the "Two Unerring Rules for Success," in Messrs. Lawrence & Co.'s new circular. The combination method, which this firm have made so successful, enables people with large or small means to reap all the benefits of largest capital and best skill. Thousands of orders, in various sums, are pooled into one vast amount and *co-operated* as a *mighty whole*, thus securing to each shareholder all the advantages of the largest operator. Immense profits are divided monthly. Any amount from $5 to $5,000, or more, can be used successfully. *N. Y. Baptist Weekly*, September 24, 1878, says, "By the combination system $15 would make $75, or 5 per cent., $50 pays $350 or 7 per cent.; $ 00 makes $1,000, or 10 per cent. on the stock, during the month, according to the market." *Frank Leslie's Illustrated Newspaper*, June 29: "The combination method of operating stocks is the most successful ever adopted." *New York Independent*, Sept. 12: "The combination system is founded upon correct business principles, and no person need be without an income while it is kept working by Messrs. Lawrence & Co." *Brooklyn Journal*, April 29: "Our editor made a net profit of $101.25 from $20 in one of Messrs. Lawrence & Co.'s combinations." New Circular (mailed free) explains everything. Stocks and bonds wanted. Government bonds supplied. Lawrence & Co., Bankers, 57 Exchange Place, N. Y. 49:10

Farmers' Accounts.

WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer.

A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to all—handsomely got up and finely bound. Price, $2.50, worth ten times the cost. 45:21

New Books--Life Science.

The following valuable new works just received at THE CALIFORNIA FARMER OFFICE, 320 Clay Street, worthy special attention:—

"PLAIN HOME TALK AND MEDICAL COMMON SENSE,"

A most valuable work, one volume, 900 pages, fully illustrated with 200 engravings.

"SCIENCE IN STORY."

A most interesting volume of nearly 1200 pages, admirably illustrated; Also, "Science in Story" in five volumes, most admirably written and most inviting to every reader and conclusive in the arguments of every story.

These Volumes are all Edited by Dr. E. B. Foote, and issued by the Murray Hill Publishing Company, of Chicago, Ill., and for sale at the FARMER OFFICE.

$1 A BOTTLE

—FOR—

CLARKE'S EUCALYPTUS OIL,
Sure Cure for Rheumatism.

For Sale at 320 Clay Street.

MILK, WINE, CIDER

All kept sweet indefinitely by arresting fermentation. Water the muddiest—made pure and clear as crystal. Enough for ten barrels sent on receipt of "One Dollar." Agents wanted. Address ELSOM'S LABRATORY, Forestville, Chautauqua County, N. Y. 49:13

FAMILY FRUIT DRYER.

A VERY ECONOMICAL FRUIT DRYER AND ONE that can be used upon the cooking RANGE in the family with very little care or attention—easily managed, doing the work perfectly, the best and cheapest *Dryer* known, can be seen at the office of the CALIFORNIA FARMER 320 Clay Street.

THE BEST WAGON ON WHEELS

IS MANUFACTURED BY

FISH BROS. & CO.,

RACINE, WIS.

WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

USING NOTHING BUT

First-Class Improved Machinery and the Very Best of Selected Timber,

AND BY A THOROUGH KNOWLEDGE OF THE BUSINESS, WE HAVE JUSTLY EARNED THE REPUTATION OF MAKING

"THE BEST WAGON ON WHEELS."

We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ———, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {TITUS W. FISH, EDWIN B. FISH, JAS. C. HEGGIES,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. Send for Prices and Terms, and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.

—OR—

GEO. A. DAVIS,

Manfacturers' Agent for Pacific Coast,

327 MARKET STREET,

49:17 SAN FRANCISCO.

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS

To all Parts of the United States.

J. F. FARNWORTH. - - - - - - - - - - M. T. BREWER.

NOW IS YOUR TIME TO ADVERTISE.

ADVERTISERS ABROAD AND AT HOME.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows:—All line advertisements will be ONE DOLLAR for Five Lines, or less, Nonpareil, *first insertion*; larger space, *Fifteen Cents per Line*; each subsequent insertion, *Ten Cents per Line*. This offers the best and most reasonable rates, giving us the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community.

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $30.00.

For one-eighth of a column, three months..... $15.00 | For one-half of a column, three months..... 50.00
For one-quarter of a column, three months..... 30.00 | For an entire column, three months..... 100.00

For a single month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable: the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rates.

WARREN & CO., Proprietors,

320 CLAY STREET, SAN FRANCISCO.

COMMISSION SALES-ROOM,

AND

Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and every article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

BOOKS---SEEDS---TREES

All rare and choice things can always be purchased as above.

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE,

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 6 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine Patent Bee Hives of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,

320 Clay Street,

SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Linament for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Linament is needed, as it has been proved to be the best Linament known.

FOR SALE,

Wholesale and Retail,

WARREN & CO.,

320 Clay Street,

AGENTS FOR DAVID CLARKE'S REMEDIALS.

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill*" this we cannot do without CASH, or a special understanding before hand.

WARREN & CO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

San Francisco, September 18, 1879.

Money and Exchange Tables.

Exc. on England, new style, long and short	4 82½ a 4 85
Gold, at par	— 1 00
Silver, at par, in sums of	— 1 00
Value of Greenbacks, equal to Gold	— 20 00
Value of Wheat in Liverpool	8s 6d a 8s 6d.
Value of Club Wheat in Liverpool	8s 6d a 8s10d.
Value of Wheat in New York, bushel	1 05 — 1 10
Brewers Barley in New York, bushel	80 — 1 00
Wool in New York	20 — 35

MONEY AND EXCHANGE TABLES.

The *Money Market* of our city and State shows a vast amount of capital seeking investment, yet bankers and capitalists are scrupulously careful how and to whom they make loans. There is a very great difficulty in learning the true condition of business men, our banks, our manufacturers, or even our reputed rich capitalists, are often puzzled to learn the true condition of those with whom they desire to do business, this arises from the fact that stock speculations has become so interwoven into men's minds, that too many of our business men having "made haste to be rich," have run into peril and thus shaken the confidence of the money lenders and thus there is no knowing who are sound and solvent, or who are rich.

Money is so abundant as really to go round begging borrowers, and yet money is much wanted among business men but hard to get by reason of the facts we have stated.

The millions of England and France will soon begin flowing towards the United States, it comes to pay for breadstuff and our manufactures that by reason of their great excellence are fast taking the place of European goods, and thus we are draining Europe of large amounts of their gold.

Bank rates for money is 2 to 3 per cent per annum both in England and France—Germany and other great money marts hold to a higher value.

Money in our city and State rates at 6 to 8 per cent. at banks of discount, and at savings and loan on real estate at 8 to 11 per cent., rates paid by lenders.

GRAIN AND FLOUR MARKET.

The *Grain Market* at the present time is not as active as it should be and as it ought to be, especially when the financial condition of our State is considered, for now while our large grain growers are holding back, and our grain merchants too here in California, hoping a rise in the European markets—our Eastern merchants are forcing off all the grain to Europe possible, and thus forestalling that market, much to the injury and loss of the Pacific Coast.

Every careful observer of the European markets can see with all the cry of storms, floods or short crops in some parts of Europe, other portions can supply—and our Eastern States are sending twenty ships to our one, and meeting all the pressing demands of Europe.

Our Eastern States never had so great a surplus, and they are now using it well, while our grain holders are holding it back to repent of by and by.

Had 20 or 30 cargoes more have been sent to Europe and the proceeds returned here of $2,000,000 or $3,000,000, our farmers and our community would have been much better off.

The *Wheat Market* in prices is without material change in the price of the various qualities, and no change to note even in Europe, with all the reports of short crops.

The *Flour market* has no change save a general dullness, and no prospect of an improvement.

The *market for Barley* is dull, save a little demand from Australia, New York and Central America to give a little life.

The other small grains dull with no market.

The *market for Oats* and *Corn*, little or nothing compared with the large crops anticipated, corn will reach 75,000 tons this year.

The *Feed stuffs* all as before.

The *Hay Market* dull, flat.

The *Market for Hops* shows some life and some advance in value, a large rise East and prospectively more—now we think is the time to sell—for the world is *full of hops*, some hop up, some hop down, so trade goes—quick sales when prices are up is always best.

The *Market for Honey* is better in price and steadily advancing, with very small stock on hand among honey men *Beeswax* scarce.

The *Potato market* shows an overflowing market and very low prices—*Sweets* are very plenty and low—*Onions* are a little better than last report.

The *Bean market* has an immense stock to grapple with—old beans lost, and new beans immense crops, some exports help, but prices lower.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 40 — 1 50
do Choice do.	1 55 — 1 62
do Milling do.	1 62 — 1 70
Barley, per 100 lbs., feed	70 — 77½
Barley, for brewing, (Chevalier)	1 50 — 1 65
Rye	70 — 80
Oats, California, per 100 lbs	1 30 — 1 40
Corn, do do.	80 — 95
Flour, Superfine, per bbl	4 00 — 4 25
do. Extra	4 25 — 4 50
Extra Flour for shipping	5 00 — 5 25
Very Extra Family Flour	5 25 — 5 75
Oregon Superfine	4 00 — 4 25
do. Extra for Shipping	4 75 — 5 25
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 20 — 1 40
Bran per ton	14 00 — 16 00
Middlings per ton	17 00 — 18 00
Ground Barley	18 00 — 20 00
Oil Cake Meal, for feed, per ton	— 34 00
Beans, per 100 lbs, various	1 75 — 3 00
Beans, Lima	4 00 — 4 50
Potatoes, common	25 — 30
Potatoes, choice	40 — 50
Early Rose	50 — 60
Sweet Potatoes	75 — 1 00
Onions, new	40 — 60
Hay per ton, ordinary	8 50 — 9 00
Hay per ton, extra	10 00 — 11 00
Wheat Hay	11 00 — 12 00
Alfalfa Hay	—
Straw per bale	4 00 — 5 00

Retail Prices in the Fruit Market.

The *Fruit market* was never better supplied than at the present time, all the choicest varieties of fruit are coming to market in great abundance, and of the very best quality too, so abundant is the stock generally that it does not pay the grower to stop to gather any but the most perfect fruit for market.

Apples of choice kinds sell at 25 to 40 cents per bushel, Bartlett and Seckle Pears at 75 to $1 per basket, common kind lower, Plums from 30 to 75 cents per box, splendid quality, Peaches fine and very cheap, 50 to 75 per basket, Grapes begin to show the enormous crop that will soon rush upon our market, and sell as low as 25 to 50 cents the box, Figs an overstock all the time and cheap.

Blackberries are not as plenty now, 30 to 40 cents the drawer, Strawberries, more scarce, 50 to 60 cents the drawer, Raspberries gone, Nectarines now come in more freely, price fair.

Bananas plenty and cheaper, Oranges from Australia excellent and sell at good prices, they reach our market at a good time when it is nearly bare, Lemons from Australia are fine and sell well, Limes are very plenty and cheap.

The supply of melons is enormous, we have mountains of melons both kinds in mountains in our streets.

The Nut market is well supplied at low rates.

We need only repeat what we said last week, for that is correct.

Apples, per box	25 — 75
do. do. lb	4 — 6
Pears, per box	40 — 1 50
" per lb	6 — 8
Pear, dried, per lb	12 — 15
Fresh Figs, per lb	8 — 10
Australian Oranges, per doz	40 — 75
" Lemons, per doz	40 — 60
Tahiti Oranges, per doz	20 — 30
Lemons, imported, do.	30 — 50
Limes, do. do.	20 — 25
Pine Apples, each	50 — 1 00
Bananas, per bunch	2 50 — 4 00
California Oranges, per dozen	10 — 15
" Lemons, "	20 — 50
" Limes, "	10 — 25
Strawberries	10 — 15
Raspberries	—
Persimmon	20 — 25
California Walnuts, per pound	12 — 15
Almonds, hard shell, per pound	16 — 18
do. soft shell, do.	12 — 15
Foreign Pecan Nuts	12 — 15
Madeira Nuts	15 — 20
Foreign Brazil Nuts	12 — 15
Filberts	7 — 10
Chili Walnuts	8 — 10
Pea Nuts	—

Retail Prices in the Vegetable Market.

Our *Vegetable Depot* is all that any good housewife could ask, there is no end variety of vegetables now but what is found in our market in abundance and at lower prices than has ever been known in our city, a vast amount grown by our Italian, Portugese and Chinese gardeners, for they monopolise all this trade—literally enormous as any one can see that will visit our markets, the wagons stand in early morning on Sansome street and thence down Washington street to the wharves, where vegetables are shown by cargoes—and so every week.

Asparagus	0 — 8
Artichokes, (French) per doz	15 — 20
Tomatoes, per lb	5 — 5
Beets, per doz	— 25
Broccoli, each	6 — 10
Cauliflower	8 — 10
Cabbage, do.	8 — 10
Carrots, per doz	— 25
Celery do	75 — 1 00
Celery Root per dozen	— 75
Cress, per dozen bunches	10 — 12
Cranberries, per gallon	60 — 80
Dried Herbs, per doz.	30 — 40
Green Peas, per lb	4 — 5
Lettuce per doz. bunches	10 — 12
Onions per lb.	5 — 6
Horseradish, per lb	10 — 12
Okra, green, per lb	8 — 10
Okra, dried, per lb	— 50
Choice Potatoes	1½ — 2
New Potatoes	2 — 3
Potatoes choice, per 100 lbs	1 50 — 1 50
Kidney Potatoes, per lb	2 — 3
Pumpkins	1½ — 2
Parsnips, per doz. bunches	— 15
Salsify, do. do.	— 15
Parsley, do. do.	15 — 20
Pickles, per gallon	40 — 60
Radishes per doz. bunches	— 5
Rhubarb, per lb	5 — 5
Squash, Marrowfat	1 — 3
do. Hubbard	2 — 3
Lima, Dry	5 — 10
String Beans, per lb	5 — 8
Spinage per lb	— 5
Salsify, per bunch	4 — 5
Turnips, per doz	— 15
Garlic	8 — 10
Eschalot	15 — 20
Mushrooms	8 — 10

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea.

Salmon ₩ lb	4 — 6
do smoked new	6 — 8
do pickled, ₩ lb	6 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Halibut	20 — 25
Smelts, per lb	— 10
Perch do.	— 10
Rockfish do.	— 10
Codfish, dry, per lb	— 10
Herring, fresh, per lb.	— 8
do smoked, ₩ doz	— 25
Tomcod, per lb	— 12
Sardines, fresh, per lb	— 10
Solefish, per lb	15 — 20
Mackerel pickled, each	— 25
Shrimps, per lb	— 10
Flounders do.	12 — 15
Sea Bass do.	20 — 25
Halibut do.	20 — 25
Sturgeon do.	3 — 4
Turbot do.	25 — 30
Terrapin, ₩ doz	3 50 — 3 50
Pompono do.	— 2 50
King Fish do.	— 25
Anchovies do.	12 — 15
Frogs, per doz.	2 00 — 2 50

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market. Oysters are showing nice and fat and the public appetite now craves this delicious bivalve. Every day a grand show in our market—if you desire the choicest of these luxuries, go to Geo. Mayes in California Market—no change for weeks.

Oysters ₩ 100 choice	60 — 75
Chesapeake oysters per dozen	50 — 75
Crab Fish, per lb	12 — 15
Clams per 100	— 50
Mussels do	— 25
Crabs, boiled, each	— 25
do soft, per doz	— 50

Retail Meat Market.

The *Retail Meat market* furnishes all the choicest kinds at unusually low figures for this season of the year, and is thus an unusual full market.

Porter House	15 — 18
Porter House, extra	18 — 20
Beef, tenderloin, per lb	16 — 18
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	5 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	3 — 10
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	6 — 8
Beef tongues, each	— 75
Pigs tongues, each	— 15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	13 — 15
Choice hams, Duffield	15 — 16
Whitaker, St. Louis, Mo.	15 —

Poultry and Game Market.

The *Market for Poultry* is well supplied—more than the demand.

RETAIL PRICES.

Ducks tame each	75 — 90
Geese tame, per pair	2 00 — 2 50
Broilers	40 — 50
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	25 — 28
Pigeons, domestic, per doz	4 00 — 4 50
Hares each	25 — 35
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Venison	10 — 15

Poultry and Game—Wholesale.

Broilers, per doz	3 00 — 4 00
Large Chickens, per doz	5 00 — 6 50
Hens, per doz	6 00 — 7 50
Turkeys, dressed, per lb	18 — 22
Ducks, tame, per doz	5 50 — 7 00
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Rabbits, tame, per doz	1 50 — 1 75
Squirrels, per doz	75 — 1 00
Venison	5 — 6

Retail Dairy Market.

The *Dairy market* is well supplied—prices of roll butter less, as large amounts of pickled butter is coming in.

Eggs are more scarce and higher, the quantity of cheese coming in is large, this brings down prices,

Butter, California, Extra Choice per lb	30 — 35
do. do. for (Cooking) do.	20 — 28
do. do. packed best roll	25 — 28
do do. Eastern	20 — 25
California Eggs, per doz.	35 — 40
Oregon	— 25
Duck Eggs, do	— 30
Farralone Eggs, per doz	— 25
Cheese per lb	15 — 20
do. Sage, per lb	25 — 30
Eastern Cheese do.	25 — 30
Lard, California, per lb	16 — 18
Lard, Eastern, do.	— 18
Honey, Comb	12 — 18
do. Strained	8 — 10
Vermont Maple Sugar, per lb	— 20

Dairy Produce, Eggs, etc. Wholesale.

Butter, California, per lb. (Fresh)	30 — 32
do. Packed Roll, do.	20 — 23
Eastern Butter	16 — 18
Cheese, California, per lb	10 — 13
California Eggs, per doz	28 — 30
Eastern Eggs, per doz	14 — 20
Duck Eggs, "	22 — 25

Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	13 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging Trade* has had its ups and downs the "lock up" don't work well for a season, the count was not right for a strong hold, and some strands gave way—now again a lock up and prices will run up to unheard-of—now again a lock up and prices will run up to 10½, 11, 11½, and may be more, if on the "lock up"—out siders sell at less figures.

We do not believe any one will make a fortune in bags this year—we will except Messrs. Neville & Co., we guess they made a lucky hit in their plans.

Hand Sewed Bags, Standard, 22x36 cent. prices	10½ — 11 cts.
Second Hand, Extra	9 — 9½ do
Machine Sewed, 22x36	8½ do
do. do 20x36	10½ — 11 do
Barley Bags, 22 x 40	11 — 11½ do
" 24 x 36	8½ do
" " second hand	5½ do
Wool sacks, new	35 — 40 do
do. second hand	14 — 15 do
Potatoe Gunnies, Double Sewed	10 — 10½ do
do. do. Second Hand	5 — 6 do
Flourbags, quarters	4½ — 5 do
do. halfs, six qualities	7 — 9 do

Staple Home Products.

The rapidly increasing growth and preparation of our fruits for drying and exportation, our raisins, figs, jams, jellies, preserved fruits of all kinds, with our large crops of almonds, walnuts, peanuts, etc., is awaking great attention East and abroad, for we now export largely much that we formerly imported, a few years more and the exports of these *Home Products* will toll in tens of thousands of cases, and with constant increase.

Flax Seed, per lb	2½ — 3
Hemp Seed per lb	6 — 7
Castor Beans, per lb	3 — 3½
Castor Oil No. 1 Diamond in cases, per gallon	— 1 40
" " " barrels "	— 1 30
Castor Oil, No. 2 Diamond in cases per gallon	— 65
" " " barrels "	— 60
Linseed Oil, Boiled	— 78
do. Raw	— 55
Cocoa Oil	5 — 8
Hops, California	12 — 15
Hops, new	10 — 12½
Alfalfa	5 — 10
Mustard Seed	4 — 5
English do.	2½ — 3½
Canary Seed	5 — 10
Coriander Seed	3 — 5
Broom Corn	23 — 25
Bees Wax	—

California Leather Market Report.

The markets for *Hides, Leather*, and *Tallow* have no material change to note, some exports of tallow to give life, hides soon have demand, and leather a fair trade and some export.

California Sole Leather	20 — 26
do. Harness do.	28 — 30
do. Skirtings	30 — 37½
Bridle Leather	24 — 30
Rough do. Oak Tanned	18 — 22
Waxed Calf Skins	50 — 1 00
do. Kips do. per dozen	30 00 — 55 00
do. Leather per foot	13 — 15

Wool, Tallow, Hides, Etc.

The *Wool market* is quiet, but a small amount yet of the of the fall clip yet, therefore small sales to note, sales and shipments of wool East only 500,000 pounds this month, and from January last some 12,000,000 pounds—value over $7,000,000, prices as before.

Wool, Spring Clip	18 — 20
do. Choice Extra	25 — 26
Fall Clip	18 — 18
Oregon Wool, per lb	25 — 28
Eastern Oregon	17 — 20
Medium, bright	16 — 20
do. Burry	12 — 15
Goats' Wool (mohair)	30 — 75
Dry Hides, per lb	16 — 18
Green Salted, per lb	7 — 10
Deer Skins	60 — 1 00
Sheep Skins, wool on	25 — 75
do. do. plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	5 — 6½
Tallow, rendered	7 — 8

Average Slaughtering Prices.

The *Wholesale Meat Market* is abundantly supplied—but at low prices—the abundance of feed gives good meats, and at cheap rates—prices are higher.

Beef, American, 1st. quality	5 — 6½ cts
do. do. 2d. do.	4½ — 5 do.
do. do. 3d. do.	3½ — 4 do.
Veal	6 — 7 do
Mutton	2½ — 3½ do
Lamb	4 — 5 do
Pork, Undressed	3½ — 4½ do
do. Dressed	4 — 5½ do

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED ACCOMMODATIONS for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU August 4th, and every fourth week thereafter.

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports; also, HAVANA and all WEST INDIES ports on 5th and 20th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

47:5

Central Pacific Railroad.

Notice to Shippers.

Please take notice that this Company will maintain, for transaction of business in Oakland, TWO STATIONS, viz:

MARKET STREET AND SIXTEENTH STREET

and to avoid delays we would request shippers to state on receipt, name of station to which freight should be delivered; as in the absence of same all consignments will be taken to Market Street.

J. A. ANTHONY,
Agent.

San Francisco, Jan. 15, 1879.

AUZERAIS HOUSE,

SANTA CLARA STREET,

SAN JOSE.

S. W. CHURCHILL, Proprietor.

Auzerais House Coach and Carriages always in Attendance on arrival of trains.

FAMILY FRUIT DRYER.

A VERY ECONOMICAL FRUIT DRYER AND ONE that can be used upon the COOKING RANGE in the family with very little care or attention—easily managed, doing the work perfectly, the best and cheapest Dryer known, can be seen at the office of the CALIFORNIA FARMER 320 Clay Street.

C. P. R. R

COMMENCING

SUNDAY, JUNE 8th, 1879.

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento, making close connections at Napa with Stages for Sonoma. (Arrive 5:55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 5:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 5:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 9:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Caliente and Los Angeles. Also at Niles with Train arriving at San Jose 6:55 P. M. (Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), squeaking at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily (Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND.

"Daily" 7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M., 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00, 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.

"Daily, except Sundays"—6:10 A. M. and 11:45 P. M.

"Sundays only"—10:30 and 11:30 A. M., 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4:00 5:00 and 10:30 P. M.

"Sundays only"—11:00 A. M., and 1:30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M.; 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN

"Daily" 7:30, 8:30 and 9:30 A. M., 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—6:30, 11:00 A. M. and 11:45

"Sundays only" 10:30, 11:30 A. M. and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:48, 8:40, 9:40, 10:40 A.M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 and 10:10 P. M.

"Daily, except Sundays"—5:10 and 5:50.

"Sundays only"—11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:03 and 9:00 A. M.; 3:00, 3:58, 5:00, 6:08 and 7:00 P. M.

"Daily, except Sundays"—5:00, 5:40, 11:30, A. M., and 1:30 P. M.

"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—6:55, 8:00 and 11:05 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—8:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M.; 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:30, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays"—5:20 A. M. and 1:50 P. M.

"Sundays only"—10:20 and 11:20 A. M.; 12:20, 1:20 and 1:35 P. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

SUMMER ARRANGEMENT.

Commencing Monday, April 21, 1879,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows

8.20 A. M., *Daily* for San Jose and Way Stations. Stages for Pescadero (via San Mateo) connect with this train only.

9.30 A. M. *Sundays only* for San Jose and Way Stations. Returning, leaves San Jose at 6 P. M.

10.40 A. M. *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Salinas, Soledad, and all Way Stations.

AT PAJARO the SANTA CRUZ, R. R. connects with this train for Aptos, Soquel and Santa Cruz. At Salinas the M. & S. V. R. R. connects with this train for Monterey. Stage connections made with this train. (Pescadero Stages via San Mateo excepted.)

Parlor Car Attached to this Train.

(SEATS AT REDUCED RATES.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, Pajaro, Hollister, Tres Pinos and principal Way Stations.

SPECIAL NOTICE—The trains of the Santa Cruz R. R. and the M. & S. V. R. R., which have been connecting with this train on Saturdays at Pajaro and Salinas respectively, have been withdrawn for the season. Those intending to visit Aptos, Soquel, Santa Cruz or Monterey, will take the train leaving San Francisco at 10:40 A. M., daily.

3.30 P. M. *Sundays only* for San Jose and Way Stations.

4.25 P. M. *Daily Sundays excepted* for San José and Way Stations.

5.00 P. M. *Daily Sundays excepted* for Menlo Park and Way Stations.

6.30 P. M. *Daily* for Menlo Park and Way Stations.

Excursion Tickets at Reduced Rates

To San Jose and intermediate points, sold on Saturdays, and Sunday morning, good for return until following Monday inclusive, as follows:

Baden	$0.50	Fair Oaks	$1 50
San Bruno	0.50	Menlo Park	1 60
Millbrae	0 65	Mayfield	1.75
Oak Grove	0.00	Mountain View	2.00
San Mateo	1.10	Lawrences	2.25
Belmont	1.25	Santa Clara	2.50
Redwood	1.40	San Jose	2.50

Also, EXCURSION TICKETS to Aptos, Soquel, Santa Cruz and Monterey, sold on Saturdays only—good for return until the following Monday inclusive.

SECOND-CLASS FARE.

Between San Francisco and San Jose, $2.00

On Freight Trains only, leaving San Francisco at 9:00 A. M., and San Jose at 8:30 P. M. (daily Sundays excepted).

Principal Ticket Office—Passenger Depot, Townsend Street. Branch Ticket Office—No 2 New Montgomery Street, Palace Hotel.

A. C. BASSETT,
Superintendent.

H. R. JUDAH,
Ass't Passenger and Ticket Agent

SOUTHERN DIVISIONS.

Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 4:00 P. M. daily, and making close connection at GOSHEN for Sumner, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton, Colorado River, YUMA and CASA GRANDE. (182 miles east from Yuma.)

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1854. 1879.

THE CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FIFTH year with 1879, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on the Coast—this was at Sacramento in the year of 1852, and also the GRAND FAIR at San Francisco in 1853—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

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THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE OF AGRICULTURE, which such years of labor merit, our JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work

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California Farmer.

1879.

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CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, OCTOBER 2, 1879. NO. 17.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

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DAVID CLARKE, Chemist, Warwick Queensland.

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All Letters on Editorial Matters to be addressed to COL. WARREN, Editor.

☞ All Letters on Business connected with the Office should be addressed to

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EUROPEAN.

From our Special Correspondent.

PARIS, FRANCE, 1879.

PRESERVING MAIZE HORSE STOCK.

Belgium surpasses France, relatively speaking, in the adoption of the growth of maize for trench conservation. The horse-tooth variety of maize is preferred, as also the sowing in narrow lines—8 to 10 inches—which if it does not give a larger yield than at wider spaces, certainly secures more tenderness of stem. The seed ought not to be sown in a wet soil, as it is liable to rot—like haricots, and can be sown from May to July. Maize accomodates itself to nearly any soil, but on condition of being well fed, in the case of rich soils, a dressing of nitrate of soda, is the rule in Belgium at the time of sowing; in poor land, farm yard manure is plowed down in winter, and in spring, the supplemental stimulant consists of nitrate of soda, chlorate of potash, and superphosphate.

The Horse Show, held in the Palace of Industry, has presented no very special features this year; there has been an improvement in the breed of carriage horses, but those specially intended for the saddle, leave much to be desired. The gathering is becoming more and more an occasion for combining the attractions of a circus with those of a race course. It is impossible to show off horses yoked to vehicles, from a mere thrice running round the retangular course; the objections are less practical in that which concerns the hurdle contests. The Society would gain in utility by discouraging horse-dealers, livery-stable proprietors, from passing off as horse-breeders. Other point; more attention ought to be given to the development of a type of horse good for all work.

DISEASED CATTLE AND HORSES.

Belgium has now adopted, like France and Italy, as sufficient justification to cancel the purchase of cattle, the existence of a disease known under the name of passing blood in the urine, *(hematuria)*. The disease can be concealed for a few days, pending that the animal is exposed for sale in fairs or markets, by administering astringents; poor peasants are mostly victims of the deceit, for the low price at which the beast is offered, tempts, and its poverty-stricken appearance is accounted for by the seller, as the consequence of insufficient food and a rigorous season. The disease may be due to an alteration in the blood; to a decay of the tissues, rupture of the capillary ducts of the bladder, etc. In addition to the passing of blood, the animal presents the appearance of a skeleton, is very sensible when the lumbar regions are touched. The malady is very common in the Ardennes, and the affected stock rarely sells for more than the price of its hide.

SHEEP FOR SYDNEY FAIR.

The French government has sent some of the Rambouillet breed of sheep, from the State breeding pens, to the Sydney Exhibition, and the agricultural school of Grignon ought to contribute a series of models, plans, and specimens illustrative of French farming. It is at Melbourne next year, however, that this country will appear to greater advantage.

BARKING TREES BY SHEEP.

A curious controversy is taking place relative to the influence of sheep, on trees at the moment of barking. It is alleged, and the belief is as popular in Germany, as in France, that the emanations of sheep, their breath or odor, has the effect of compelling the sap to redescend the tree, and so render the process of taking off the bark, impossible. If odor alone be the cause, a single goat ought almost to produce the effect of a flock of sheep. It would be well to remember, that the facility for stripping the tree is more easily performed, when the buds are well developed, and when the air is calm and humid.

PHYLLOXERA, OATS, ETC.,

Sulphuret of carbon has been found—not only fairly excellent against the phylloxera—but also other species of subterranean vermin. In the case of rabbits—moles are rather viewed as the farmers' friends—a few morsels of brick dipped in the pure liquid, and then inserted in the holes, to the depth of 12 inches, and closing well the orifice, will speedily get rid of destructive puss.

Black Tartary oats are in great favor in many parts of Normandy; in wet seasons they resist being laid, can be sown as late as 15th April, and not only ripen earliest, but produce heaviest returns.

PRESERVING GRAPES.

Preserving grapes fresh has become a most remunerative branch of business; at present such sell in Paris for 8 to 10 francs per lb.; the principles to be observed are, to gather the most perfect fruit, on a dry, windy day, then hang the bunches in special cases, which latter may be suspended in an ordinary room, the essential being, to maintain a uniformity of temperature; neither too hot, to dry the berries, nor below freezing point, to congeal them. The famous Shomery plan consists in placing the grapes on a layer of fern, in inclined deal cases.

EXPERIMENTAL.

Good colza cake ought to have a green color, with black and red spots, in Belgium this color is readily obtained, by adding a little lime; mustard cake can thus be made do duty. Dissolving a little of the adulterated cake in water, and applying the litonus paper test—or even the microscope, will expose the fraud.

Karmrodt seems to consider, that when a soil is fatigued by the growth of clover, the cause is to be found in the imperfect friability of the layer wherein the plant draws its sustenance; that this friability, or minuteness of division, can be effected, not only by mechanical means, but by farm yard manure, to encourage aerial nutrition.

[CONCLUDED]

THE AUSTRALIAN EXHIBITION.

Mr. O. M. Spencer, United States Consul General at Melbourne, Australia, transmits to the Department of State a very full report of the proposed Exhibitions at Sydney and Melbourne. The first opens on the 1st of September, 1879, and will close on the 31st of March, 1880. That at Melbourne opens on the 1st of October, 1880, and closes on the 31st of March, 1881. This Exhibition will be held in the Carlton Gardens, comprising an area of 65 acres. Nearly all of the leading European governments have signified their intention of being present by royal commissioners. All of the Australasian colonies have entered heartily into the enterprise. The English government has taken a warm and decided interest in it. The Prince of Wales and others of the royal family will visit the Exhibition. The Duke of Genoa will come out in an Italian man-of-war, and France and Germany will be represented in a similar manner. The relation which exists between the Sydney and Melbourne exhibitors is one of generous rivalry and cordial co-operation. The two cities will soon be connected by railway. There are several lines of steamships now plying regularly between the two places, with low rates for freight. The expense of transferring goods from Sydney to Melbourne will be moderate, including storage. Goods will be received at the latter Exhibition building on the 1st of June, 1880.

All the usual facilities accorded at previous international fairs in other countries will be liberally afforded at Melbourne. The protection of inventions capable of being patented is fully secured. Should the United States decide not to send out a man-of-war, it is advisable to ship all heavy goods in sailing vessels, via the Cape, not later than February, 1880. Goods from the Pacific slope and parcels of great value and small bulk may be shipped *via* San Francisco by the Pacific Mail Steamship Company, which runs a monthly line of steamers from San Francisco to Sydney. Show cases, shelving, belting, etc., may be procured in Melbourne at low rates, at the cost of the exhibitors.

[We know that every possible facility will be given by the Pacific Mail to forward goods to Australia to these Fairs, H. B. Williams, Esq., the Agent of this Line is ever ready to aid all in his power to promote the trade and interests between the Colonies and the Pacific Coast. ED. F.]

Actions speak more forcibly than words: they are the test of character. Like fruit upon the tree, they show the nature of the man: while motives, like the sap, are hidden from our view.

WASHINGTON.

From our Specix Correspondent.

COL. WARREN—*Dear Sir*,

From the latest reports received here as to the political prospect in Maine. I select two expressions of opinion. Senator Blaine says Davis, Republican candidate for Governor, will receive 70,000 votes, electing him. Congressman Ladd, Greenback-Democrat, who is especially familiar with affairs in the eastern section of the State, writes under date of the 8th that there will be considerable gains from last year on the part of the opposition to the Republican ticket. Last year the Republican candidate failed, by several thousands of an election by the people.

The same variety of reports comes from usually well informed gentlemen in Ohio as to the prospect in that State. How much of this, in either case, represents the real belief of these prophets and how much their hopes, the reader may determide for himself

The Chief of the Bureau of Statistics reports that there arrived at the port of New York, during the month of July, 1879, 16,432 passengers, 12,710 of whom were immigrants. During the corresponding period of 1878 the total number of passengers arrived at the port was 12,650, of whom 8,689 were immigrants. The revival of business in many parts of the country, of which there is no doubt, and great business depression in Europe, will no doubt further increase this tide of emigration and also bring us a superior class of emigrants.

There were 34 new cases and 6 death from yellow fever at Memphis yesterday. The disease continues spreading in all quarters of the city, and is nearly equally divided between the white and colored inhabitants remaining. It is stated that the Executive Committee of the Sanitary Council of the Mississippi Valley will meet the members of the National Board of Health at Cairo, Illinois, Friday, to consider measures to prevent the spread of the fever outside of Memphis. But it is spreading to an alarming extent in various sections.

One of the great enterprises of the world is that of constructing a suspension bridge across the East River, between New York and Brooklyn: has no parallel in any similar structure in the world. Your correspondent has just been kindly furnished by one of its engineers with a detailed description of it from which we note a few facts which will give an idea of the immensity of this stupendous work. The total length of the bridge is 5,989 feet, width of bridge 85 feet, length of river span 1,595 feet, length of each land span 930 feet, length of Brooklyn approach 931 feet, length of New York approach 1,562 feet, length of each single wire in cables, 3,578 feet, height of towers above roadway 159 feet, depth of tower foundation below high water 78 feet. The construction was commenced January 2, 1870, and will probably be completed in 1880, and its total cost exclusive of land will be $9,000,000.

MERRILL.

American Association of Breeders of Short-Horns.

GREENCASTLE, IND., Sept. 18, 1879.

COL. WARREN—*Dear Sir*

The Seventh Convention of the American Association of Breeders of Short-horns, which was called for the 30th of October last, at Nashville, Tenn., and postponed on account of yellow fever, will be held in the city of Chicago, Illinois, beginning Wednesday, October 20, 1879. This change is made necessary by the continuance of the fearful scourge in the South, and the directors deemed it best to select a point which would be most central, and easiest of access to the greatest number of breeders. The election of officers and other important matters, postponed with the last meeting, will come before the Convention. You are cordially invited to attend.

Headquarters will be at the Grand Pacific Hotel, where members of the Association, and others attending the Convention, will be entertained at reduced rates.

The directors are requested to meet at the Grand Pacific the day before the opening session.

Very Respectfully, S. F. LOCKRIDGE, Secretary.

Agricultural College of Kentucky.

While our "Agricultural College," (the University), claimed only three students in the Agricultural Class last year—the Agricultural College of Kentucky gives the following report:—

"The Agricultural and Mechanical College at Lexington, Kentucky, has begun the session of 1879-80 with 82 students. The number at the corresponding period of 1878 was 64, at the corresponding period of 1877, 45. Its entire matriculation during last year was 116. The whole number this year will run up to 140 or 150. The beginning this year is better than that of any session since 1872."

[We say well done "Old Kentucky," you have set a good example.—ED. F.]

WARD'S FERTILIZERS.—These very superior kinds of *Fertilizers* and also *Insect destroyers* should be universally used upon plants and flower

WALTER BROWN & COMPANY'S WOOL CIRCULAR.

[FROM OUR SPECIAL CORRESPONDENT.]

NEW YORK, September, 1879.

Since our issue of August 15th, the market has continued firm for all wools, with considerable activity in medium grades and a further improvement in prices. These wools have been sought after by manufacturers with sufficient sales to establish an advance of 2 cents per pound, and the available stocks have become very materially reduced. The popular tast for woolens continues to demand fabrics of a rough finish, such as Cheviots, etc., with no prospect of an early change in styles, and with the consumption of the mills greater than last year, and their products closely sold up, it is possible than an actual scarcity may prevail in the corresponding grades of the raw material before the season is over.

There has been rather more enquiry for fine fleeces, and although the sales have been much smaller than of medium wools, they have been effected at higher figures than were obtainable a month ago. Holders are generally firm, feeling that their stocks will be wanted at price that will enable them to realize without loss.

Combing and delaine wools have been freely taken at prices within the range of quotations, and at present the assortment is quite small.

In regard to the future, we think there is every probability of a healthy trade during the next few months, with perhaps a gradual hardening of prices, not, however, sufficient to warrant any decided speculation, but enough to ensure a fair return to owners, on the balance of this year's clip.

COMBING.

Washed medium	40@44
" coarse	37@40
Unwashed medium	30@34
" coarse	27@30

TUB WASHED.

Choice	39@44
Fair	35@39
Inferior and burry	33@35

UNWASHED.

Fine	33@35
Medium	28@32
Coarse and burry	21@24

Consignments solicited—cash advances made—commissions including all expenses after receipt of wool, five per cent.

WINE AND SPIRIT REVIEW.

From Messrs. J. R. Parkington & Co.,

Our Correspondent at London,

Crutched Friars, London, E. C., August 29, 1879.

MALAGA.—Our report states that the *Phylloxera* has made terrible ravages in this district, having destroyed some 6,000 acres of vines, although it was only first discoverd in July last year. Great efforts are being made to arrest its progress, and the Spanish government has voted a grant towards defraying the cost of its extinction. The vintage prospects as regards quality are better than last year, fine musts being more plentiful. The growers have considerably augmented their prices, which have still a decided upward tendency.

BRANDY.—The rise in quotations and certainty of a still further rise, have caused merchants and shippers to look to stocks, and some few good contracts have been given. The Cognac market is very firm, and the farmers decline to sell, preferring to wait for higher prices. The vintage prospects are so poor that 1879's will scarcely be quoted. Many farmers have pulled up their vines and planted corn fields. In spite of the great inactivity which still exists, we cannot too strongly recommend immediate purchases, and all buyers of brandy should calculate their probable requirements and order accordingly, so as to avoid being forced to pay very exorbitant prices later on.

LONDON AGRICULTURAL SEED TRADE

From Messrs. John Shaw & Sons the well known Seed Merchants, of London, we have the following:—

MARK LANE, LONDON, E. C., September, 1879.

EDITOR FARMER

The agricultural seed trade still exhibits the same animation as reported by us last week. Holders of all varieties are constantly demanding and getting higher prices. It is confidently believed that the terrible storms and torrents of rain lately experienced have completely spoiled the new crop.

Red and White Clover and Alsike are finding buyers at slightly enhanced values.

Trefoil is again in good demand, and easily placed at full £1 per ton advance.

Trifolium continues in good supply, and is in moderate request without change in quotations.

Winter Tares must be noted 4s. per qr. dearer, and are being eagerly bought on all hands.

There is a good enquiry for new Italian Ryegrass, this article being so good and cheap.

Haricot Beans and Blue Peas find a ready sale at advancing prices. Bird Seeds are in slow demand at late currencies.

Fever and Ague.

As is always the case when lands are overflowed and we have a wet season—FEVER AND AGUE follows—let all who may be afflicted with this dire disease, *Remember* that CLARKE'S EUCALYPTUS REMEDIALS are a sure cure for Agues and Fevers, for Rheumatism, and even for Diptheria and Neuralgia.

THE NEW YORK HOP MARKET.

From our correspondent Emmet Wells, his last circular gives the following valuable data:—

A lively export demand for old hops continues, the shipments this week amounting to a little over 1,700 bales. The total receipts into New York since the 1st of the month reach 5,209 bales, only about 750 bales of which were of the new growth, the balance being 1877's and '78's, chiefly the former. A few sample lots of new have been sent to London with a view of testing that market, but the quality of those sent is nothing like as good as our middle and late pickings will show. No price is yet established in London for our new hops. Here in New York the price ranges from from 28 to 36 cents according to grade and quality. Our new crop is estimated at from 60 to 70 per cent. would give us about 100,000 bales; or, say a yield equaling two-thirds that of last year. The market closes strong.

COUNTRY HOP REPORTS.

The hop harvest will be nearly completed by the close of this week. The quality will average very well, with but comparatively few bad hops. The grades will be choice, prime, fair to good, for the great bulk of the crop. The yield will be from 65 to 70 per cent. that of last year—this estimate being the comparative one per acre; the acreage is rather under than over that of last year, so that the total crop may not exceed 60 to 62 per cent. that of last year; it may possibly reach 65. The Wisconsin crop is reported a very light one, not likely to reach over 22,000 bales. There has been an extensive plowing up of yards there within a year or two past. If the growers of this State had a strong organization, or if they could be induced to act in harmony, they might fix the price—if they did not really run into extravagant figures—at a point a little short of that which would warrant the importation of German hops of fair quality. What that price is remains to be seen. Germany has an excellent crop of the finer grades of hops, which will all be taken by her own brewers, and a good many inferior hops for export. While the latter we will have to compete in the English market. The English crop, from latest accounts, is likely to dwindle about one fourth an ordinary yield. The quantity of old hops on hand, with what have recently been sent them from this country, will be large. The more wealthy brewers of this country also have a good many on hand. These hops they have bought at low figures, and hence with a good business in prospect they can afford to pay a high price for the new crop. It is the first year in three that the growers have made any money, and we hope to see them make up for a portion of their bad luck in '77 and '78. But few new hops are changing hands, and they bring from 25 to 30 cents in the country, according to quality. There is as yet no established market price. Not many growers are ready to sell, even when offered 30 cents for choice. Dealers will only buy to meet orders, as a general rule. On Monday last over 1,800 bales of hops were shipped to England. New York, therefore, cannot have much of a stock of old hops in the hands of dealers.

RECEIPTS AND EXPORTS.

Receipts for the week	1,609 bales
Total receipts since Sept 1, 1879	3 414 "
Total receipts for same period in 1878	775 "
Export clearance for the week	1,713 "
Total exports since Sept. 1, 1879	5,209 "
Total exports for same period in 1878	658 "

LONDON, ENGLAND

The reports from the plantations this week have been of a very unsatisfactory character. The continued wet and inclement weather has been seriously felt in nearly all districts. Mould is making sad havoc in places and the high winds of the last day or two have seriously affected some gardens. Altogether the crop must be exceptionally short, and it is to be feared the bulk of the hops will be of indifferent quality. More business is doing and values improve daily.

WHOLESALE CALH PRICE CURRENT FOR HOPS IN N. Y.

September 12, 1879.

	Cents per pound.
New York, new crop	25 to 36
Eastern, new crop	23 to 24
Wisconsin, new crop	none
Yearlings, growth 1878	7 to 18
Olds, all growths	6 to 10
Pacific Coast Hops, growth 1878, nominal	9 to 14

The Ice Trade.

The history of the "Ice Trade" will interest all, and especially all old New Englanders, for the name of Francis Tudor, Cambridge, Mass., and the "Fresh Pond," where the first ice houses were built by Mr. Tudor, will awaken pleasant memories of by-gone days, where as boys we went fishing or skating on that same "Fresh Pond," and where we also went to gather the beautiful white fragrant lilies for which this pond was also famous.

The writer of this "Ice History" should have sent over California and we could have given him a history of the first "Ice Trade," or rather "Frozen Snow Trade" of Sacramento, in its early, palmy days, when we saw a load of 1,800 pounds sold quickly for EIGHTEEN HUNDRED DOLLARS, and iced drinks sold for $1 per glass, and much more of the "Ice Trade of California" we could have told him.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have GRAIN to sell and to keep.

FULL FARM NOTES.

Now knock the nuts from off the tree
And stow them in the barn,
Now shear the chickens and the geese,
And spin your winter's yarn

Dig up your outside windows soon
And train them to the wall;
Put on the rubber mouldings too,
And the storm door withal.

Your cellar floor with coal now dress,
And sharpen up your axe;
Your name get on the voting list,
And promptly pay your tax.

And when the winter storm shall rage
And snow and hail shall come,
Just spend your evenings with your wife
And family at home.

—*Boston Transcript.*

HOW WE SAVED THE OLD FARM.

CHAPTER X.

Before we retired that night, Mr. Benson insisted upon paying to mother a week's board in advance, although she told him that she was not in a hurry for it.

Next day the hen-dealer came after more chickens, and another man came with him who bargained with Clarence for all his cabbages, turnips and potatoes that he would have to sell, at a certain price per bushel or hundred weight, and also for the onion and beets in the garden, he agreeing to come after them as he wanted them, and pay for them as he took them, for it was his business to sell them in Blackington and other villages. The price was satisfactory to Clarence, who had dreaded the business of selling them, not only because he had little liking for peddling from house to house among strangers, but because of the time it would take from other work which he had planned. Then Mike was hired and the corn cut and stooked in the field. Then the sowed corn, which had been fed from to the cows in the pasture while the dry weather cut off the supply of grass very liberally, so that they had given more instead of less milk all the dry season, and from which they had been fed every day since, was to be attended to, and Clarence not knowing how best to manage it, and unable to learn from any of our neighbors, took a walk over to the squire's one evening on purpose to learn.

By his advice it was cut and put up in large bundles, and the bundles put into large stooks, much larger than I had ever seen field-corn put into. As there was no room for it in the barn, and it was likely to have to stand in the field until wanted to feed out, a pole was firmly put in the ground and the stook made around it and firmly withed to it, that the winds might not blow it down. There was a large amount of it, for the cows had not eaten one quarter of it while green. On Saturday the squire drove up again, and after looking over the farm he and Clarence came in, and after greeting my mother, he said:

"Now, Helen, as the ventures which Clarence has made under my advice, as well as those which he has made without it, appear likely to result so well, I want your permission for him to go into further extravagance to an extent which I never should have advised last spring, but which I think now he may attempt safely."

Mother had to sit down and take a long breath before she could ask, "What is it this time, Squire Grey?"

"Please understand that I have said nothing to Clarence about it yet, but I am going to put my plan before you both and I hope you will approve of it. I can see that, thanks to my plan of the sowed corn and turnips, you will have much more hay and corn-fodder than you will need to feed out for your cows, and there is a neighbor of mine who has three or four good cows, half Alderneys, that he must sell, because he is short of hay and in feeble health, too, and he will sell them cheap, for most of the people that way don't like them as well as native cows, because they don't give milk enough, they say, although they will make more butter, either one of them, if well fed than any of their cows. You can keep them almost as well as not, and next summer they will enable you to make more than twice as much butter as you have made this summer, which I think is not a little."

"But, squire, there is not room in the barn for any more cows," interrupted Clarence

"Nor was there room in your hen-house last spring for four or five hundred fowls, was there? But you made room for them. Can you not fix a cow-stable at the side of the barn as cheaply as you did your hen-house?"

"I don't know but I might, squire," answered Clarence, who I think, enjoyed the idea of building again full as well as he did the prospect of having more cows.

"This will make an addition to your manure-heap next spring, and manure is the back-bone of farming You have money enough on hand to buy the cows and fix the building, I guess, or if you have not, there is enough coming out of your pigs" (we had twenty this pigs this time), "and your cabbages and turnips to pay for it all, and more, too."

"I am perfectly willing for him to do this if you think it will be wise, for I can see the profit in keeping more cows, if there is fodder to winter them on. It is this draining and buying phosphate and such things that I do not understand and feel afraid he will sink money in."

"But," said Clarence, "how can I pasture so many cows next year?"

"I have thought of that, too, and I want you to plow up two or three lots of about an acre each in the pasture, about as far apart as you can, in those places where there is not much now but dry moss, for that is good rye ground, and then sow rye upon them. This will make good feed for the cows in the spring. My reasons for having it in two or three different lots is that the cows will feed in one lot a few days and then go to another a few days, and the first one will be growing again; they will in that way have feed that will last them until you have sowed corn fit to cut for them. This will cost you but your labor and a bushel of rye to the acre, unless you sow grass-seed upon it in the spring, which I would do if it was nothing more than the seed that you can sweep up in the barn floor this winter. The fields where you have potatoes and field-corn, you intend to put into rye this fall, don't you?"

"No, I thought I should sow them with oats and grass-seed in the spring, and cut the oats green for fodder next year."

"What field do you mean to plant next year; asked mother.

"This around the house, and that where the sowed corn and turnips are, will be as much as I can get manure for, or take care of, and perhaps more. There is about five acres here, and it ought to be plowed and planted a few years now."

"Very well planned, master Clarence," said the squire; and may we call it settled about your buying the four cows?"

"Yes; I will take them as soon as I can get the place fixed to put them in."

"Then I will buy the cows for you if you wish me to, and keep them until you are ready for them. They give milk enough to pay their keeping now, and I can contrive room for them, I guess."

"Now, about the place for them. What is your idea about that, Clarence, for I see you have an idea, and I know your idea of that hen-house beat anything I could have suggested?"

"I suppose I can put a shed on the east side of the barn large enough for four cows; and line the walls up as I did those of the hen-house so it would do. I would not make any floor, but put in sand a foot or two deep, so it would not be muddy."

"Let me suggest an improvement upon your plan: make your shed large enough to hold all your cattle, which will not then cost a great deal more, and another year you can take all the scaffolds out of your barn, so as to keep nothing but hay in that. You will need it all for the grass and oat fodder."

"Let us go out and look at it if you are willing, squire; I can plan better when I see the place."

So they went out and examined the barn, and then the squire went home. That evening the boys went down to ask Bill Giles when he could come and help them, for Bill had been at work away all the time, only coming home Saturday nights to stay over Sunday.

He had been doing first rate, he said, all summer, and his home began to seem much more home-like; for, under mother's tuition, Liza had improved very much in the art of making her house comfortable at less expense than it cost before to make it uncomfortable. Bill promised to be along in about a week, as soon as he could finish the work he had on hand.

The next week the boys and Mike were busy threshing the rye, which had been standing in the field north of the barn, where it had been put up when it was taken off the field where it grew, that the field might be plowed. Gannet, the tavern-keeper, had engaged the straw at fifteen dollars a ton, and he drew it away as fast as they could get it threshed. It was not finished that week, but they had time to finish it and clear away a place for the new cow-shed, besides drawing home the lumber for it, before Bill came, as his job had lasted longer than he expected.

[TO BE CONTINUED.]

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STOCK ITEMS.

THE OLD SHORT-HORN BULL, HUBBACK.

The bull Hubback, regarded in his day, by Mr. Bates and many other breeders of note, as the great regenerator of Short-horns, was calved in 1777, and was sold with his dam in the Darlington market. The purchaser re-sold the calf that afterwards became the famous bull, to a blacksmith, for one guinea, as he was taking the cow home. The blacksmith gave the calf to his son-in-law, and he was brought up in the lanes at Hornby, about eight miles from Kirk-levington. He changed hands several times before he went into the Colling herd, which was not until 1783, when he was six years old, and then only at the suggestion of Mr. Charles Colling, to be used by his brother Robert and Mr. Waistell until a calf which they were raising should be large enough for service. As soon as this time arrived Hubback was discarded, and Charles Colling bought him at eight guineas, the same that they had paid for him. His color was a yellow-red red and white, and he was called "the little bull." He was light-boned, very smooth, low, and a remarkably quick feeder; with clear, waxy horns, and a good coat of hair. As a sire he was peculiarly impressive; and Mr. Bates, who held him and his blood in the very highest estimation, says that "had it not been for the bull Hubback and his descendants the old valuable breed of Short-horns would have been entirely lost;" and that no stock ought to have been put into the Herd Book that did not trace to this bull. When he was ten years old Mr. C. Colling sold him to a man named Hubback, for thirty guineas, and from him the bull took the name which has become so famous in Short-horn history.

Mr. Robert Colling never appreciated the merits of this bull until after he had sold him, and then he determined to retain all of his gut that he yet possessed.

CARE OF BREEDING SOWS.

Don't neglect the sows that have young litters of pigs, if you wish the latter to make satisfactory growth. Abundance of food in liquid or semi-liquid form is necessary to produce an abundant flow of milk. Dry corn is a very poor ration for the brood sow; but, with the run of a good clover pasture, and plenty of soaked corn added, both sow and pigs will do moderately well. Oats, peas, beans, oil meal, bran, or middlings, all make excellent food for the sow that is suckling, and may be used as is most convenient.

BEST FOOD FOR PIGS.

Corn is undoubtedly the very best food for making hogs *fat;* but it is far from being the best food for producing a *healthy, strong growth of the entire muscular and bony structure.* Milk contains most of the elements of healthy growth for the pig, and to this corn-meal may be added. A good food for young pigs may be made by mixing middlings, oats, and corn-meal in equal proportions. Another good ration may be made by taking 4 parts oats, 4 parts corn, and one part oil-meal; or 6 parts peas, 5 parts corn, and one part flax-seed; and many other palatable combinations may be made that will promote a healthy growth, without an undue proportion of fat.—*Nat. Live Stock Journal, Chicago.*

Coloring Butter.

A dairyman, who signs himself "Anti-Humbug," asks whether we regard it as morally right to color butter, and thereby deceive the purchaser into believing its fine color indicates its excellence? We think our correspondent too morbidly sensitive on this point altogether. As butter made at the season when the grasses are at their best, has naturally a light, golden color, and its flavor and aroma are then the finest, the consumer very innocently connects the fine flavor with the color, and refuses to believe butter good unless bearing this pleasing tint. Now, as the natural coloring matter has no taste, and really has nothing in itself to do with the flavor, the color at its best is only an ornament. And when consumers insist upon this fictitious mode of valuation, what is even the conscientious butter maker to do? As a fictitious test is insisted upon, the butter maker has no alternative but to allow the consumer the pleasure of tasting his butter through his imagination—when, looking upon its golden tint, he can smell the clover blossoms in January. Why should he be deprived of this pleasure? No, it appears to us that the butter maker is only responsible for the use of a harmless substance, which, while it does no injury, will add to the customer's happiness as well as the producer's profit.—*Natural Live Stock Journal, Chicago.*

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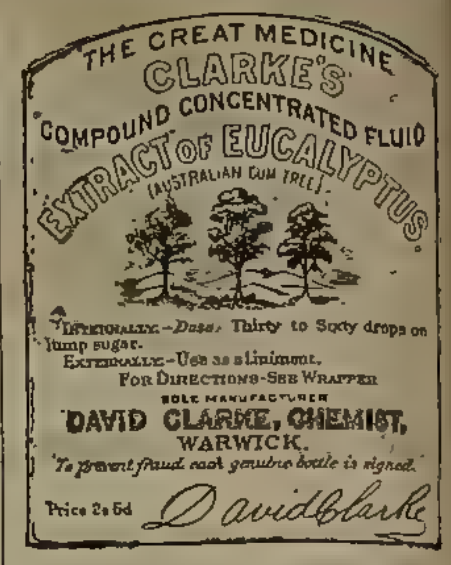

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Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

Foreign Correspondence.

TO WOULD-BE GRAPE GROWERS.

TAHITI, July, 1879.

COL. WARREN—*Dear Sir*

In the *Argonaut* of your city, of Jan. 18th, of this year, I find a valuable article entitled, "The foothills of the Sierra," signed by "B. B. Redding," I take the following extracts from said article, not only for the purpose of bringing sustaining proof of the truth of the remarks contained in many of my letters published in your paper, when I speak of the importance of granitic and volcanic or rather lava soils; but also to call the attention of would-be grape growers to an exact region of country highly suitable for that culture.

I would not recommend the extensive growing of the ordinary fruit trees and plants, for the market is already overstocked with them, as they can be grown in regions not so well adapted to the grape, whether for wine or for raisins, and the market for ordinary fruit is limited, while the whole world is open for the sale of pure wine and for good raisins. A few fruit trees of the ordinary kinds, for family use, would probably be sufficient—the main portion of the land being devoted to the grape, pasture, firewood, and the cultivation of a little corn, wheat, potatoes, etc., for home use.

The time is rapidly coming when the old world will cease, in a great measure, to supply pure wine, brandy and good raisins. Their lands are nearly exhausted of their potash by long continued carrying away from such soils of the potash, in the form of grapes, and other products of the soil, and the failure to replace that abstracted potash by other potash, until now, when the cost of sufficient of that element, added to the other expense of cultivation, will so increase the cost of their products that California, with its rich granitic, feldspathic, and lava soils, will be enabled to undersell them and drive them from the market, especially as she has the advantage of so much labor-saving machinery, greater intelligence in the masses of the people, and so many other important facilities, the time is coming when the "foothills of the Sierra" and other similar regions will become as noted as France, Spain, Portugal, Madeira, and other parts of the old world everywhere for their wines, while those countries will only be spoken of for their poor wines and raisins, and the phylloxera, oidium, etc.

But to the extracts on the "Foot-hills of the Sierra.":

GEOLOGICAL FORMATION.

The western base of the Sierra Nevada bordering the Sacramento valley is known in this State as the foot-hill region. These foot-hills extend from Redding, at the northern end of the valley, to Caliente, at the southern extremity, a distance of three hundred and fifty miles. I am indebted to Mr. A. Bowman, formerly of the State Geological Survey, for the following description of the formation of this portion of the State. He says:

"The older rock formations of the Sierra foothills are, in the main, granites south of Fresno River, and slates north. The slate regions contains patches of granite often several miles square, and there is between Folsom and the Central Pacific Railroad, a larger patch, eight or ten miles square at the least, extending from the valley to near Auburn. The granite region at the south has also patches of slate. Opposite Visalia, at the edge of the valley, are two isolated patches ten by twelve and ten by fifteen miles. It remains only to trace the boundary between the slate north of Fresno River and the tertiary of the valley. Along the line, beginning at the south, are the Buchanan copper mine, Indian Gulch, and Snellings, near the western Mariposa County line; Lagrange, Knight's Ferry, near the Tuolumne line; Telegraph City Campo Seco, Michigan Bar, and Mormon Island, near the edge of Calaveras, Amador, and El Dorado—in short, a line separating these mountain counties from the valley counties, or very nearly. Further north the farmers of the counties did not study the soil. In Placer County, Rocklin on the west and and Auburn on the east mark the granite limits; and from there north in Yuba to Oroville in Butte County, the first steep foot-hills of the Sierra are of the slate formation. The flat-bedded, unaltered formations of the foot-hills, described as upper tertiary, rise to very different altitudes in different places. The Oroville Cherokee mesa is, if I remember aright, considerably over one thousand feet above the sea at the Cherokee end. Similar isolated middle and upper tertiary (miocene and pliocene) hills are found left in remnants all along the base of the Sierra south of Oroville, while to the north they are plastered up against the Sierra with a cretaceous base, and preserved by a volcanic capping covering nearly the whole country. The slates and granites extend to the summit of the Sierra, the line between the granites of the south and the slates of the north running slantingly from the point mentioned on Fresno River through the heart of Mariposa County toward Lake Tahoe, in a tolerably direct line.

AREA OF FOOT-HILL REGION.

On the line of the Central Pacific Railroad the foot-hills commence at Roseville, which has an elevation of 163. From this point to Colfax—elevation, 2,421 feet. In a direct line is a distance of 32 miles. To allow for all possible errors it would be safe to estimate that the width of the foot-hills, where the valley temperature prevails, is 20 miles. This region, therefore, embraces a tract of country from Redding to Sumner, 350 miles long and 20 miles wide, or 4,480,000 acres. The principal towns in this part of the State are Oroville, Nevada, Grass Valley, Colfax, Auburn, New Castle, Georgetown, Placerville, Coloma, Jackson, Sonora, Columbia, Mariposa, and Havilah. In the vicinity of these towns, and also near the line of the Central Pacific Railroad, the land is occupied by settlers. It would be using a large figure to state that a half million acres of these foot-hills have been preempted. If we estimate that another million is composed of lands granted to the Central Pacific Railroad Company, ravines, river beds, and lands too rocky or precipitous for cultivation, there would remain nearly 3,000,000 acres of land, all of it timbered, all having abundant rainfall, in a semi-tropical climate, and to which title in 160 acre tracts can be acquired by settlement and complying with the rules of the United States Land Department. Throughout the whole region ever living springs are numerous; and in those parts where there has been placer mining there are many canals from which water by purchase can be obtained for irrigation. The immense precipitation that takes place during the rainy season along the western face of the Sierra passes through this region in streams that are tributaries to the Sacramento and San Joaquin. Within this distance there are fifty-four of these principal streams, whose waters are perpetually adding to the volume of the Sacramento and San Joaquin.

ADAPTATION TO CULTIVATION.

Every agricultural product that can be grown in the valleys, including the semi-tropical fruits, can be grown with equal facility in these foot-hills. Ordinarily the land has to be cleared of the trees found upon it, and cultivation must be contiguous, for on the whole western face of the Sierra the native trees, when cut or burned down, are rapidly replaced by a new growth of the same kinds. These lands are found to have all of the requisites for the successful growth of orchards. Fruit trees thrive better upon them than on the lands of the valley. None of the many theories advanced as to the cause of the treeless condition of many plains and prairies having ample rainfall seem to be entirely satisfactory, but experience has demonstrated that orchards grow best and thrive with less artificial aid on lands that in a natural condition are covered with trees. The increasing exports of small fruits, such as strawberries, blackberries, and raspberries, from the vicinity of New Castle and Auburn, and their superior size and quality, prove that this region is better adapted to their culture than any place yet found on the level lands of the valley. The peaches of Coloma have a State reputation for flavor and size. The apples of Nevada and Georgetown are equal in size, taste, and keeping qualities to the best imported from Oregon. The Oroville oranges have been pronounced equal to the best Los Angeles. The vine grows with luxuriance and bears abundantly wherever it has been planted throughout all this region. The wines of Coloma have more than a local reputation. Persons competent to judge assert that wine from grapes grown on the foot-hills is free from the earthy taste that characterizes much of the wines of the flat land of the valleys. They also express the belief that if ever wine is to be made in California as light as that from the Rhine, and as free from alcohol, the grapes will be grown in the higher elevations of the foot-hills, where snow falls and remains on the ground a few weeks each season. It is said that the long summers and great heat of the valleys develop the saccharine matter in the grape, which by fermentation is converted into alcohol.

THE LANDS OPEN TO SETTLEMENT.

There is but one Spanish grant in all this region, the Fremont grant, in Mariposa. The land, therefore, can only be obtained from the Government in tracts of eighty and one hundred and sixty acres. A monopoly of the land in large estates is consequently impossible. The character of the country being of rolling and rounded hills prevents the possibility of very large farms. Experiments have shown that the soil is more productive than the dry plains of the valley, but of course it does not yield crops as largely as the deltas and bottom lands of the rivers. It is certainly better and more productive than lands similarly situated in France, Switzerland, and Italy, which now sustain a population of millions. Wood is everywhere to be found, and in this region north of Oroville there is an abundance.

As I have shown, there are more than three million acres of these lands open to settlement—fallow from the flood—waiting for occupants; capable of supporting a population of a hundred thousand people, if they will but cultivate them; situated in a semi-tropical climate, and in all the higher regions free from miasma. One need not be a prophet, nor the son of a phophet, to fortell that before many years the agriculture of California will become varied, and cultivation will not be confined to one cereal. Then the foot-hill region of the Sierra will be occupied by a prosperous and happy rural population."

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—AND—

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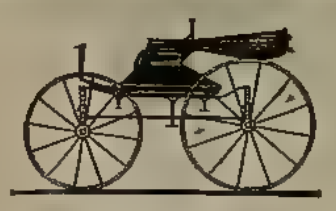

SINGLE.

DOUBLE.

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SAN FRANCISCO. 49:11

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416 CLAY ST.,

Between Sansome and Battery,

SAN FRANCISCO

MANUFACTURERS AND DEALERS IN

Printing, Hardware. Manilla, and Straw Papers,

PAPER BAGS, TWINE, ETC.

Depot of the Pioneer

—AND—

EAGLE PAPER MILLS. 48:10

BEST FRUIT DRYER.

The Best, Cheapest, and Easiest working Fruit Dryer yet invented is the

GRANGER'S FAMILY Fruit and Vegetable EVAPORATOR.

APPLES DRIED IN TWO HOURS.

Needs no extra fires, as it can be used upon a Cooking Range while in use for other purposes. Dries perfectly and rapidly Apples, Pears, Peaches, Plums, Cherries, Currants, Grapes, Berries, Corn, Peas, Beans, Pumpkin, Squash, and all kinds of Herbs. Makes beautiful Jellies, Jams and Syrups. No family should be without one.

THREE SIZES---PRICES LOW.

WARREN & CO.,

AGENTS FOR THE PACIFIC COAST,

320 Clay Street, San Francisco.

THE TRALL

Hygienic Sanitarium

No. 8. ELLIS STREET,

SAN FRANCISCO.

Thermo-Electric, Steam, Hot Air and other Baths. Electricity, Swedish Movements, Health Lift, Etc.

Healthful Board and Pleasant Sunny Rooms

D. C. MOORE, M. D.,
(Late associate of Dr. Trall,)
Resident Physician and Manager.

MRS. E. D. MOORE, M. D.,
Ladies' Physician and House Superintendent.

Send for Trall Health Journal. 49:7

Remitting Money.

We desire those who Remit us Money, to send it either in Checks on our *Banks here*, or by Post Office Order, or Green backs.

We desire this *specially* of *Newspaper Agents*, or others abroad who send *their Checks* on Home Banks—this occasions delay or expense to us in collecting, while it is just as easy for them to adopt the way we point out, and send us Cash or Currency. Those are our terms.

WARREN & CO., Publishers FARMER.

CHANCE FOR AN ACTIVE MERCHANT.

A GRAND OPPORTUNITY WILL BE OFFERED TO an active business man with a cash capital of $10,000, to step into a good and lucrative business, already under good headway and profitable. The owners declining health requires him to go East, and therefore desires to sell. This is an unusual chance for a good and reliable man to make a fortune in a few years—an opportunity very rarely offered. Address, "Q. W.," CALIFORNIA FARMER OFFICE.

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NEW YORK.

Growers and Importers of

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— AND —

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SOLICIT Orders for the above from the TRADE, also, *GLADIOLUS* and all other *BULBOUS ROOTS*.

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Each Number contains THIRTY-TWO PAGES of reading, many fine Wood Cut Illustrations, and one COLORED PLATE. A beautiful Garden Magazine, printed on elegant paper, and full of information. In English and German. Price, $1.25 a year; Five copies $5.00.

Vick's Flower and Vegetable Garden, 50 cents in paper covers; in elegant cloth covers $1.00.

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WE SELL EVERYTHING FOR THE
GARDEN
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Descriptive Catalogues of 175 pages sent Free
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40:1

W. H. FLETCHER,

Shipping and General Commission Agent,

40 HUNTER STREET,

SYDNEY.

WILL ACT AS AGENT FOR GOODS SENT TO THE Sydney International Exhibition, and attend to sales afterwards, or otherwise as instructed.

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HUGH CRAIG, Esq., 307 California Street.
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E. T. ANTHONY & CO.,

DEALERS IN ALL KINDS OF

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—FOR—

SHEEP WASH

PURPOSES.

THE NEW SHEEP DIP.

We invite our wool growers to call on us and examine the NEW OMAHA SHEEP DIP the best preparation yet offered—one gallon dip makes 160 gallons wash.

407 and 409 Commercial Street,

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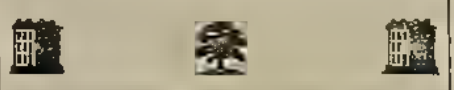

FARMS, RANCHES

—AND—

LANDED ESTATES FOR SALE.

Now that we have so many settlers of the BETTER CLASS coming to our State, those who have

Lands, Ranches, Farms,

—AND—

IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms and Libraries in the United States.

☞ Advertisers will be wise that consult our columns. ☜

WARREN & CO.,

CALIFORNIA FARMER OFFICE.

NEW TOOTH POWDER!

The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath.

DAVID CLARKE'S

Eucalyptus Tooth Powder,

The BEST EVER COMPOUNDED and destined to supersede all others.

WARREN & CO., SOLE AGENTS,
320 CLAY STREET, S. F.

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HANDY-BOOK SERIES.

What to Eat. A Manual for the Housekeeper: giving a Bill of Fare for every day in the year. 134 pp., cloth..... 75 cts.

Till the Doctor Comes, and How to Help Him By George H. Hare, M. D. Revised, with Additions, by a New York Physician. A popular guide in all cases of accident and sudden illness, 12mo, 99 pp., cloth..... 75 cts.

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How to Educate Yourself. A Complete Guide for Students, showing how to study, what to study, and how and what to read. It is in short, a "Pocket Schoolmaster." By GEO. CARY EGGLESTON. 12mo, 251 pp., boards, ... 50 cts.

A Manual of Etiquette. With Hints on Politeness, Good Breeding, etc. By "DAISY EYEBRIGHT." One volume, 12mo, boards ..... 50 cts

The Mother's Register. Current Notes on the Health of Children. Part I.—Boys; Part II.—Girls. "The Mother records for the Physician to Interpret." From the French of Prof. J. B. FOSSAGRIVES, M. D. 12mo, cloth..... 75 cts.

Hints on Dress. By an AMERICAN WOMAN. Outline History of Dress. Things Indispensable. Estimates of Cost. Economy and Taste. What we Mean by Dressing well. Color, Form and Suitability. How and what to Buy. 12mo, 124 pp., cloth..... 75 cts.

The Home: Where it Should Be, and What to Put in It. Containing Hints for the Selection of a Home, its Furniture and Internal Arrangements, with carefully prepared price-lists of nearly everything needed by a housekeeper, and numerous valuable suggestions for saving money and gaining comfort. By FRANK R. STOCKTON, (of *Scribner's Monthly*). 12mo, 182 pp., cloth..... $1 00.

The Mother's Work with Sick Children. By Prof. J. B. FOSSAGRIVES, M. D. Translated and edited by F. P. FOSTER, M. D. A volume full of the most practical advice and suggestions for Mothers and Nurses. 12mo, 224 pp., cloth..... 75 cts.

Manual of Thermometry. For Mothers, Nurses, Hospitals, etc., and all who have charge of the sick and of the young. By EDWARD BRUCE, M. D. 12mo, cloth..... 75 cts.

Infant Diet. By A. JACOBI, M. D., Clinical Professor of Diseases of Children, College of Physicians and Surgeons, New York. Revised, enlarged and adapted to popular use by MARY PUTNAM JACOBI, M. D. 12mo, boards..... 50 cts.

How to Make a Living. By GEO. CARY EGGLESTON, author of "How to Educate Yourself." 12mo, cloth..... 75 cts.

Manual of Nursing. Prepared under the Instructions of the New York Training School for Nurses. By VICTORIA WHITE, M. D., and revised by MARY PUTNAM JACOBI, M. D.. 75 cts.

All these valuable books can be had at the FARMER OFFICE, and will be mailed by us Post Free on the receipt of the price named above.

WARREN & CO.

49:11

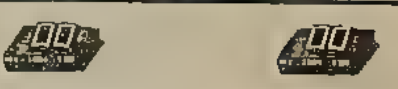
NURSERYMEN AND FLORISTS ABROAD.

Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurserymen, especially, who have NEW and RARE kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our JOURNAL circulates there to a large extent.

This is the season when Nurserymen should make known what they have for sale.

Warren & Co.,

PROPRIETORS CALIFORNIA FARMER.



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JOB PRINTING.

POSTERS, CARDS,

—AND—

CIRCULARS,

PROMPT, CHEAP AND GOOD

AT THE LARGEST PRINTING HOUSE

On the Pacific Coast.

COMMERCIAL STEAM MAMMOTH PRINTING HOUSE.

FRANCIS, VALENTINE & CO.,

517 CLAY STREET. 44:1

TO INVENTORS AND MECHANICS.

Patents and how to obtain them. Pamphlet of 60 pages free, upon receipt of Stamps for Postage. Address—

GILMORE, SMITH & CO.
Solicitors of Patents, Box 31,
Washington, D. C.

48:19 tf

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, OCT. 2, 1879.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marble Building—Up Stairs.

FARMERS HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms. Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for ONE insertion, fifteen cents a line for any larger space. Each subsequent insertion ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,

PUBLISHERS CALIFORNIA FARMER,

San Francisco, Cal.

Editor's Chair.

Unanswered Letters.—We are constantly receiving letters of inquiry from numerous sources, asking us to furnish replies and statistics that would occupy pages, and these from strangers, on matters not of a public interest, but only their private business, and then not even a stamp for reply, of course our time will not allow us to reply to all though kindly disposed, we always shall if possible, stamps for reply should always be sent, as this is a heavy tax on hundreds of letters received.

Home.—We place in our Home Columns this week an Essay on "Soap," its history and uses, a good practical *sermon* worth reading, and hope its full and practical teachings will be truly appreciated.

The history of the "Ice Trade" is one of much interest, and while here in California (this vicinity) *nature* creates no ice, *science* teaches the way by which every family can make its own, and this knowledge should be practically applied.

Our Poets' Column.—We give an original poem from "Philmore," most excellent as his writings all are—we also give as choice selections "The Skein" "A Little Longer" "The Worm and the Flower" and "Speak Gently," these will all prove interesting we know.

"Domestic Recipes" and other items to read.

Horticulture.—We give an interesting and valuable letter upon Grape growing and that interest, by our esteemed Correspondent "T. L. Croft," the name at the close of the letter unintentionally omitted, this Letter contains much of scientific interest.

Miscellany. "Josh Billing's Probabilities" will help cure dyspepsia by its funny illustrations, "A Negro Romance" will help do the same thing, excellent to create good humor.

Agriculture.—We continue the excellent story of "How we Saved the Old Farm," and which if these teachings were practically applied would save many a farm in California, now in danger of being sold under foreclosure for want of that earnest and practical labor described by the story we have been giving to our readers.

"Stock Items" convey valuable teachings "Coloring Butter" should be noted.

The S. H. Kennedy Manufacturing Co's. notice is worthy a special reading—these are the kind of "Sheep Dips" that will save our flocks from disease and also preserve sheep from future disease, every sheep raiser should be sure to make himself acquainted with these curatives, by calling on those who sell.

Our Front Page.—Our "Paris Letter" conveys important knowledge of the condition of French and European agriculture, and their collateral interests.

Our "Washington Letter" is of interest, "Australian Exhibits," "Brown & Co.'s Wool Circular," "Emmet Wells' Hop Circular," and "Short-Horn Breed Letter"—all of interest.

Cheap is the Word.

Economy is wealth, a penny saved is equal to a penny earned, and double in intrinsical value, as it is the result of wise economy that will surely lead to wealth.

Every family in the land should economize in times like the present, and those that really need to purchase household crockery of any kind should by all means step into the large and extensive warehouse of O. Lawton & Co., in Grand Hotel block, and ask the needed household wares of all kinds, and observe the "watchword" this firm have adopted for all their goods.

Low prices, good Goods cheap, is their motto, all goods low down, neat and pretty "Dinner Sets" at only $7.50—good wares at prices lower than ever before known.

Please call at this store and see the nice wares
And tell Mr. Lawton, the Farmer sent you there.

CROP PROSPECTS.

The "Good Times" coming
Are near by as now,
And the "Good Times" coming
Are turned up by the plow.

That agriculture is the "Basis of all our wealth" is admitted by all intelligent minds, for when this great interest is depressed, all other interest are under a cloud.

At the present time the heavy cloud that has so long rested upon all the business enterprises is being lifted and the blue sky of coming prosperity shines beyond it with its hopeful beams.

It is important that the true cause be assigned to this hopeful prospect, and we believe we are right when we point to the great interests of Agriculture, and the vast increased and increasing products of the soil turned up by the plow.

The immense crops of our country, the vast yield of every State of the Union in their several staples, is now loading hundreds and hundreds of our largest ships, with grain, flour, pork, beef, lard, butter, cheese, hops, wine, and even live stock to feed the hungry of Europe, and added to these our agricultural implements and our own manufactured goods, formerly imported from Europe, are now being exported there to compete with their own manufactures, and ours bears off the palm.

Hundreds and hundreds of millions of dollars in value will this year go to Europe and draw from thence their gold in immense amounts, and thus enrich our own country, and this it is that is now bringing over our heads that *bright blue cloud* of the good times coming which is near to our doors, and if all our people will unite to make good times, then our State here and every State in the Union will see a state of prosperity never before equalled.

Already this tidal wave of returning prosperity is heralded in the rapid and unlooked for large advance in all the leading products of our State and country.

Grain and flour has advanced briskly, butter, cheese, lard and meats of all kind will follow—sugar has advanced, wool, hops and wine also to a considerable amount, and the great iron interests of our country have received an impetus never before realized.

Manufacturers of woolen goods have cheering promises of good times near—and we are sure all the mechanical interests of our State are now feeling the vital effect of the new life that has been recently infused into all the old States in all the great industries there, and which is being felt here also.

We call attention to the facts we give in another column, which shows the condition of Europe and their want of all our produce, and which must necessarily give to our country an immense benefit, even while Europe suffers want. This *new life* that is to be infused into all the phases of business in our country will, and must necessarily start many new enterprises, this is just what is wanted in California to make our State prosperous.

We want more producers—the almost idle and the wholly idle thousands of our population who flock into our cities waiting for "something to turn up," must be induced to go into the country and become producers, or go into workshops and be earners instead of wasters of their substance—we have too many idlers, too many white people who complain of the Chinese because they take away their labor—yet offer them work and they refuse it—this is what makes much of the trouble, such men are the *levelers, communists and disturbers* of the prosperity of our State.

California, now thirty years old with the richest soil and finest climate in the world, has now only about 900,000 people, and for the last five years has made but little gain in population, yet the *State of Kansas* has gained nearly 1,500,000 in the last *few years*, while to-day with the privileges and opportunities that our State has enjoyed we surely should have a clean population of 3,000,000 people, and have been the richest and most favored and prosperous State in our Union.

The New Zealand Acclimitisation Society.

It will be recollected that this Society located at Auckland, New Zealand, has done much to introduce into that section of the country many of the products of this coast, seeds, trees, plants, birds, fish, and live stock, all of the highest type and most valuable species.

J. F. Cheesman, Esq., the Secretary of that Society, is a live worker and has done much to advance all these interests. H. Craig, Esq., Manager of the New Zealand Insurance Company here, has with a most laudable spirit aided all such enterprises, the result of which is a most lively interest in all such things among the members of that Society, which is now in a very prosperous condition.

In a late report of the Honorable Secretary, among other items of interest, he says:—

"The Russell collection of Statuary is now the great attraction at the Museum. The School of Design in connection with the Society promises very great success."

This noble enterprise was started by Dr. Campbell, some of the pupils are now attaining great proficiency.

We are certainly glad to herald such progress of our friends "Across the Waters," and cheerfully bid it "God speed" for progress.

Statement of our Wheat Market.

A valuable comparative statement of the grain market of San Francisco, the value per cental for the last 15 years, from 1864 to 1879, has recently been prepared with great care by Albert Montpellier, Esq., cashier of the Grangers' Bank.

This statement comprises the prices of grain for each month of the year, the highest, lowest, and the average for the month.

This schedule is a valuable record and should be in the hands of all who are interested in the grain market.

We return thanks to Mr. Montpellier for the document sent us.

Toil, feel, think, hope. A man is sure to dream enough before he dies, without making arrangements for the purpose.

GEN. GRANT IN YOSEMITE.

After the great and mighty excitement which Gen. Grant has been called to pass through, he is now away in a "Beautiful place" where he cant find "rest," one thing is certain, the great masses cannot follow him there and prevent his finding a little time to think, feel and enjoy those great thrones and palaces of Nature, and we feel assured the great mind of Gen. Grant will say often to himself and to his family:

Europes kingdoms and thrones I have seen them fall.
But those Palaces of Nature outshine them all.

Gen. Grant will richly enjoy his visit to Yosemite if he can be permitted to enjoy these grand scenes as he would desire; we wish it were possible to obtain his mind conceptions of the sublime scenery of Yosemite Valley.

Methinks if he should but be permitted to wander forth alone for "silent meditation free" as he stood before those "mighty domes" that peer into the sky he would say:

"Above me are the alps,
The palaces of Nature, whose vast walls
Have pinnacled in clouds their snowy scalps,
And thron'd eternity in icy halls
Of cold sublimity, where forms and falls,
The avalanche, the thunderbolt of snow.
All that expands the spirit, yet appals,
Gather around these summits, as to show
How earth may pierce to heaven, yet leave vain man below."

Such or similar thoughts we think would fill the mind of Gen. Grant as he contemplates the wondrous scenes around him, and his visit to Yosemite we feel to be a most happy close to the many ovations paid to him; after all the scenes he has *endured* often of man worship, Gen. Grant seeks the great Valley of the Yosemite, where he can go and worship God and Nature free and unmolested, and thus enjoying "look from Nature up to Nature's God."

PACKING UP.

What a history could be written of the "packing up" and "laying away" of the mementoes of the past.

Who does not remember the signs of early days at Sacramento, we recall the signs of those times, here is one:

"Rest for the weary and storage for Trunks."

How many thousands of the old trunks of by gone days were they opened now would reveal the wonderful histories of that past.

Stepping into the well known packing house of E. Anthony & Co., on Commercial street a few days since, we noticed a collection of valuables of "years gone by" valuable household goods, choice silver ware—china, pictures, dresses, etc., which had laid in store a dozen of years or more, and was now being exhumed and repacked to go to a foreign country, to the "nearest of kin," as all the ancestors on this Coast had passed away.

We were struck with the thought of what memories cluster around these "mementoes of the past," we know their history and it is a most deeply interesting one, we cannot give names, only facts.

The *physical* bodies of the once living and active beings, the head of the house and all its members are now *ashes*, yet the memory of the great good he wrought can never be counted, many of these articles we saw are a history in themselves, what a history we could write of the life and labors of the head of this house; living in splendor, active in business measured by hundreds of thousands of dollars—yet now his ashes are in Lone Mountain and his family resting there also, and thus after a single decade of years one so widely and well known has been almost forgotten and his substance scattered world wide; such is the fate of mortals, to day in life, surrounded by wealth and fame—to-morrow they are not—and the places that knew them shall know them no more forever.

These valuables were being most carefully packed as we saw, by Messrs. Anthony & Co., who are skilled in the science of packing such treasures safely "treasures of memory" and they are the chief packers of merchandize or parcels of an hundred pounds or a thousand tons, they are the principal and we may say the only re-packers of merchandise in our City, and what they do they do well, and it was by them these treasures were packed safely.

KINDNESS---APPRECIATED.

We found at our desk a few days since a case of four boxes of very fine grapes, true *mouthwaters*, luscious Muscats, Flaming Tokays, Black Hamburg, and Rose of Peru, four choice kinds in large clusters—they came in good time and we enjoyed them and appreciated them, as rich fruits from generous hearts.

We tender our thanks to Messrs. M. T. Brewer & Co., as this was the mark on the case, and we confess that the juice of these grapes was the most delicious we have ever had from a *Brewer* Company, if every Brewer sent forth *only such juices* we should have no dissipation.

Messrs. Brewer & Co. are the largest exporters fresh fruits, dried fruits, raisins, etc., also of vegetables over the railroad East of any house on our coast, and merchants along the line of our railroad and our Eastern fruit merchants will find it for their interest to communicate with this firm for their own business interests.

Special report of State Fairs, Kentucky Stock Report, and State Horticultural Society in our next.

OUR VINEYARDS---HEAVY CROPS.

The present season has been a propitious one for our vineyards, and never before have the vines bore heavier clusters, richer fruit or greater yields, and we are glad to add that the prospect for our vineyardists are bright, as those who sell their grapes to the wine makers are receiving high prices from $16 to $30 per ton, according to their standard value for wines.

Another cheering prospect an increased value to our wines at home and a larger demand at the East, and a cheering one too from Europe, with a better outlook there in coming years, as the *phylloxera* has destroyed their vineyards to a vast extent, and thousands of acres have been plowed up, being wholly destroyed.

There is here quite a growing desire to plant *new Vineyards* this autumn, and it is now very evident that the coming years will show great and increasing and enduring prosperity to this important interest.

The great necessity is now evident that the Wine Interest of our State should be well and wisely guarded by our Legislature and by our National Congress also, and no special favors given to anything like the Chottean doctrine, which at the coming session of Congress must be finally settled.

Our vine growers and Wine makers are now to have the "Good Times Coming."

THE EARLY DAYS AND TIMES.

"SAN FRANCISCO PIONEER LABOR."

Who shall write the full history of our pioneers and pioneer labor.

What clustering memories crowd the brain,
Histories that so long have lain
Like books piled up on shelves away
These records now will have their day;
And we shall read of times gone by
Of times and scenes that cannot die.

We have before us a very handsome volume of 240 pages, entitled "A Pioneer Pastorate and Times" being a record of events and the history of the pastoral labors of Rev. Albert Williams, the founder and first Pastor of the Presbyterian Church in San Francisco.

This book dates back to the good old days of '49, and contains histories and incidents of great interest and value to all early Californians, it tells of the earnest labors of this noble Christian minister and gives many incidents of exceeding interest, it should be widely read and highly prized by all readers, it is dedicated tenderly to his wife.

Upon the title page we find these words:

"TO MARY,

Helper in my labors and sharer of my joys, this volume is affectionately dedicated."

We need more such records of the early days of California, and Mr. Williams has done our State a good service by this volume

TEA.

What vast interests and what a vast trade is connected with the simple word TEA—for this one article of merchandise scores of stately steamers and ships seek the Orient for this favorite beverage that every family must have.

California is enriched by the trade in TEA, and San Francisco is one of the great emporiums of the TEA trade of China and Japan.

The spacious wharves of the Pacific Mail Co., are often almost blockaded with the many thousands of chests of TEA by a single steamer, and from thence over our Central Pacific Railroad, long trains of cars go loaded entirely with TEA, to supply the Eastern trade, as San Francisco is now the great port of this trade.

A few years ago and the TEAS of our merchants came from New York—but now the well known merchants of our city, Messrs. Castle Brothers and Messrs. Macondray & Co., and a few more, are known world wide as TEA MERCHANTS, whose trade is known the world over.

Messrs. Castle Brothers do an immense trade in TEAS, and their specinity is to import only the very best, and TEAS with a "Castle" upon the chest as their trade mark is always sure to be of great excellence and purity.

Their aim and their pride forever will be
To import the best brands from over the sea,
Would you seek for the best, and desire no other,
Go purchase your TEAS from Castle Brother.

SALE OF SPLENDID SHEEP.

We have received information of the sale of 68 very superior French Merino bucks and ewes, from the fine flocks of Mrs. Blacow, of Alameda County.

These sheep were selected and purchased by Messrs. Falkner, Bell & Co. for their friends in Colorado, the value of the purchase being some $4,000 to $5,000, they were as fine a band as has ever been seen in our State—a well-known sheep man of Australia who saw them, said, "They are the best I have ever seen."

The fleeces from these bucks were never surpassed in quality or quantity, weighing 50 and 52 pounds each.

From this flock some pens of them will be selected and exhibited at the State Fair at Denver, Colorado.

Messrs. Falkner, Bell & Co. are well skilled in the purchase and sale of sheep, and buy and sell thousands annually—sellers and buyers of sheep or wool should go to this house on business.

Their splendid exhibit of wools at our State State Fair bore off the Silver Medal, it was the best exhibit made in our State.

The Great Webster.

We have received from Little, Brown & Co., of Boston, a handsome bound volume of the great orator, and the noble defender of the Constitution, the volume is of 500 pages, and has his famed speeches upon "Bunker Hill," and many of the most noted of his life—this book should be in every library, it is a rare book.

Catalogues.—A mountain pile of new and handsome Catalogues of Nurserymen, Seedsmen and Manufactures, all waiting notice and notoriety send along your Advertisements, Gents, then you shall have *especial* attention and notice that shall pay you well.

GOOD OLD TIMES.

"How dear to my memory
Are the scenes of my childhood
Which fond recollection
Oft brings to my view"

Old letters, old books and old mementoes are always dear to every loving heart, and those of us who have such mementoes know how to prize them, we have many, and they are worth more to us than costly jewels or sparkling diamonds.

We have now before us two neat *Cards of Invitation of early date*; one to a Thanksgiving Ball dated the 24th November, 1808, another to a Public Ball dated May 21st, 1806, and what is peculiar is the time set, the Thanksgiving Ball commenced at 5 o'clock P. M. and the other at 6 P. M. things in those early days began early and they closed early.

Those festive scenes were at *Springfield, Mass.*

The managers of the Thanksgiving Ball were: J. Bliss, G. W. Callender, L. B. Colton and James Brewer.

Managers of the other Ball were D. Ames, J. Howard and H. Bates—most of these probably have passed from earth, but their descendants live.

These cards were addressed to *Miss M. Lombard*, of Springfield, a lady who has been much honored in her day, the "Old Lombard Homestead" is 364 Main street, and is the only single house for nearly a mile, the balance are all solid blocks of building in that famed City.

These cards were handed us by a gentleman now of our City, an active merchant, the *young lady then* was in coming years his much honored mother, and he prizes these cards beyond price.

The gentleman's name is J. L. Bardwell.

Hon. Frederic Billings.

We are pleased to hear that this well known and very distinguished pioneer citizen of California of early years, who as a member of the well known firm of Halleck, Peachy & Billings, and builders of Montgomery Block, and who achieved high reputation here, is likely to receive a call from the people of the "Green Mountain State" (Vermont) to become their Governor.

Having known Mr. Billings long before he came to California, and also here in the early history of our city and State, we feel rejoiced to know that the "Green Mountain" folks are resolved to have a good Governor, and we shall rejoice to hail his triumphant election, knowing that his State will prosper thereby.

RECEIVED AT READING ROOMS:

We have the Quarterly Report of the Kansas Board of Agriculture, ending June 30, '79, giving complete statistics relating to the rapid growing industries and the population of that State, showing an increase of over *one hundred and forty thousand inhabitants*. Thanks for the Report.

We have the *List of Premiums* of the Pennsylvania State Ag. Society for their Fair to be held at Fairmount Park, Philadelphia, Sept 8. to 20 inst. the Premiums are large and of the most liberal kind, from $200 to $50 each prizes on stock. Thanks for same.

Iowa State Ag. Society.—We have received from John R. Schaffer, Esq., Secretary of the above Society, a handsome bound volume of the Reports of that State, including a full detail of the crops of every county in the State, as reported by the Secretaries of those Societies—also The State Entomologists' Report and the reports upon numerous manufactures, this valuable book of nearly 1,000 pages reflects great credit upon the compiler, Secretary Schaffer, and will greatly benefit that State, increasing its population from other countries, many thanks for the Volume.

Horse Shoeing.—We have received a very neat and handsome volume upon "Scientific Horse Shoeing," by Wm. Russell, Cincinnati, Ohio, Mr. Russell is a practical *horse shoer*, and therefore qualified to speak upon the subject.

This work is very finely illustrated, with nearly 100 cuts, giving all the parts of a horse's foot and leg—healthy and diseased, giving the true way to shoe a horse to prevent the disease of foot or leg.

The book is truly an instructive work and worthy to be carefully studied by every owner of a horse in the land, a handsomely bound book of 140 pages and 100 illustrations, and only $1 per copy.

A New Invention.—We have received a number of samples of the new patent Pliable Metallic packets and O. K. envelopes of J. H. Weaver & Co., of Chicago.

This invention is a most excellent one, we would call it a "preservative" packet and envelope, as being of metallic substance, it is both protective and preservative also, at the same time pliable and easily used, and can be used in the mails for conveying medicines in glass or otherwise, and having been examined by the P. O. Department at Washington it is allowed to be used in the mails for transmission of matter forbidden by any other means—samples of these goods can be seen at our Office.

We have received through the courtesy of J. R. Schaffer, Esq., the able Secretary of the State Agricultural Society of Iowa, a complimentary ticket to attend the recent State Fair at Des Moines, September 1st to 6th, would gladly attend all State Fairs were it possible.

We return thanks to Henry G. Hanks, Esq., Assayer, for valuable Catalogues sent us through his Correspondents in Germany.

Crops Abroad.—We have a large number of Reports from the States of Illinois, Iowa, Georgia, the Carolina's, etc., showing the rapid gain making in those States in the agricultural and manufacturing interests.

Laid Over.—The Ovation to Gen. Grant we are compelled to lay over till our next.

The report of several Fairs, the famed Carnival at the Pavillion with many special notices, all for our next.

We have a valuable letter from our esteemed Correspondent "Jenny Dare" for our next, also letters from England and France of much interest.

AGRICULTURAL FAIRS.

FOR THE YEAR 1879.

FOREIGN FAIRS.

AUSTRALIAN INTERNA'L EXPOSITION.
FAIR AT SYDNEY.
Commences Sept. 1—Continues 6 months.

THE OLD STATES.

AMERICAN INSTITUTE FAIR.
FAIR AT NEW YORK City.
Commences Sept. 15—Continues 16 days.

CONNECTICUT STATE FAIR.
FAIR AT HARTFORD
Commences October 14—Continues 4 days.

ARKANSAS STATE FAIR.
FAIR AT LITTLE ROCK
Commences October 20—Continues 5 days.

ILLINOIS STATE FAIR
FAIR AT SPRINGFIELD
Commences Sept. 29—Continues 7 days.

INDIANA STATE FAIR.
FAIR AT INDIANAPOLIS.
Commences Sept. 29—Continues 7 days.

ST. LOUIS FAIR.
FAIR AT ST. LOUIS.
Commences Sept. 22—Continues 20 days.

VIRGINIA STATE FAIR.
FAIR AT RICHMOND.
Commences October 28—Continues 4 days.

NORTH CAROLINA STATE FAIR.
FAIR AT RALEIGH.
Commences October 14—Continues 6 days.

GEORGIA STATE FAIR
FAIR AT MACON.
Commences October 27—Continues 5 days.

MONTANA STATE FAIR.
FAIR AT HELENA.
Commences Sept. 29—Continues 6 days.

SOUTH CAROLINA STATE FAIR.
FAIR AT COLUMBUS.
Commences November 11. Continues 5 days.

TENNESSEE STATE FAIR.
FAIR AT NASHVILLE.
Commences Sept. 30—Continues 6 days.

COUNTY FAIRS.

S. C. HORTICULTURAL SOCIETY.
FAIR AT PAVILION, LOS ANGELES.
Commences October 20—Continues 6 days.

UPPER SACRAMENTO DISTRICT.
FAIR AT CHICO.
Commences Sept. 30—Continues 5 days.

PACIFIC COAST.

OREGON STATE FAIR.
FAIR AT SALEM.
Commences Sept ——Continues — days.

NEVADA STATE FAIR.
FAIR AT RENO
Commences October 7—Continues 6 days.

Australia and New Zealand!

IMPORTANT INFORMATION.

Just Received at this Office

CLARKE'S

ILLUSTRATED QUEENSLAND

ANNUAL.

Containing valuable information relative to that great and wealthy section of country, and of importance to our Merchants, especially to all who do business with that country.

BEAUTIFUL FLOWERS

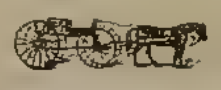
A GREEN-HOUSE AT YOUR DOOR.

We will send free by mail, and guarantee their safe arrival in Good Condition, our choice

12 ROSES	12 sorts,	$1
25 VERBENAS	25 "	1
15 Basket or Bedding Plants	15 "	1
10 GERANIUMS	10 "	1
10 CARNATIONS	10 "	1
10 Tuberoses, all Pearl, large and double		1
12 Gladioli, all Flowering Bulbs		1
2 Camellia Japonicas and 2 Azaleas		1
Hundreds of other— HEAP, and many	NEW AND RARE!	
For your choice of varieties, see our 80-page Catalogue, free to all. We also offer an immense stock of Fruit and Ornamental Trees, Evergreens, Small Fruits, Shrubs, etc. Catalogue with Colored Plate, 10c.		
6 Hardy Flowering Shrubs	6 sorts,	$1
10 Currant Bushes	3 "	1
25 Raspberry Plants	5 "	1
50 Strawberry Plants	4 "	1
3 Grape Vines	3 "	1
50 Sweet Chestnut or 50 Catalpa Trees		1

26th Year. 18 Greenhouses. 400 Acres.
STORRS, HARRISON & CO., Painesville, Ohio

49:17



FOUR SPLENDID WAGONS.

Farmers who desire a splendid Single or Double Seated Wagon, of the BEST make and BEST finish, can have a special bargain if they will call at 320 Clay Street, FARMER Office, where style of the Wagon will be shown them, price and terms also. An early call will secure a bargain rarely obtained.

THE

Queensland Almanac.

LAW CALENDER AND DIRECTORY

FOR 1879,

For Brisbane, Queensland.

TWENTY-FIRST YEAR OF PUBLICATION.

A complete Directory of all the Interests of Queensland—a valuable work of over 500 pages.

Price, $1.50 Mailed.

For sale at THE CALIFORNIA FARMER Office, Warren & Co. Agents for Publishers.

ROYAL

SEMI-PORCELAIN

DINNER SETS

REDUCED TO $7.50

GOBLETS - - 75 Cents per dozen.
TUMBLERS - - 50 Cents per dozen.

Other Goods in Like Proportion.

O. LAWTON & CO.,

609 AND 611 MARKET STREET,

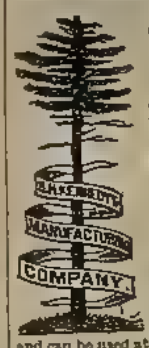
49:17 SAN FRANCISCO.

S. H. Kennedy's Mf'g Co.

MANUFACTURERS OF

SHEEP DIPS.

The Largest of the Kind in the U. S.



Please Examine the list of the different dips and prices, viz

Dissolved Sulphur Dip,

Price, $2.25 a gallon,

This is equal to 30 pounds the best Sublime Sulphur

Concentrated Extract of Tobacco Dip,

Price, $2.75 a gallon,

This is equal to 40 pounds best Leaf Tobacco.

Non-Poisonous Dip,

Price, $2.25 a gallon,

This is our Favorite Dip, as it Cures Scab and can be used at any degree of strength with safety.

HEMLOCK POISONOUS DIP,

Price, $2.25 per gallon,

And is the Best Poisonous Dip in Use.

EACH GALLON OF THESE DIPS

Will make enough for 225 Sheep After Shearing.

Put up in One and Five Gallon cans with full directions for use.

Pamphlets sent Free to any Address.

Sold by all Principal Dealers in the United States.

S. H. Kennedy's Mf'g Co.,

OMAHA, NEB.

FALKNER, BELL & CO.,

SAN FRANCISCO,

Agents for the Pacific Coast.

49:15

Sydney International Exhibition.

ROUND THE WORLD TICKETS.

THE PACIFIC MAIL STEAMSHIP COMP'Y

Will issue Round the World Tickets, giving first-class accommodations for the entire route, at the low price of $650. For particulars apply to

WILLIAMS, BLANCHARD & CO.,

General Agents,

Corner First and Brannan Streets.

49:15

The most complete assortment in the West. A particularly fine lot of Standard Pear Trees. Also a superb lot of as healthy Peach Trees as were ever grown. Full stock of Apple, Plum, Pear, Peach, Cherry, Quince, etc. A select lot of Grapes, Raspberries, Gooseberries, Currants, Strawberries, etc. An immense stock of Greenhouse Plants. Trade List and Greenhouse and Bulb Catalogues free. Correspondence solicited.

26th Year. 400 Acres. 15 Greenhouses.

STORRS, HARRISON & CO.

PAINESVILLE, LAKE CO., OHIO.

49:15 ow

PHIL NEIS,

Hop Dealer and Commission Merchant.

HOPS AND BARLEY SPECIALTIES.

Pressed Hops in ¼, ½, and 1 pound Packages.

322 DAVIS STREET,

SAN FRANCISCO. 49:14

PLANTS GROWN

for transplanting, and Fruit for the market. 100 Acres planted with Berries 100 Varieties of Selected Fruits

See New Catalogue for what sorts to plant. Send free.

JOHN S. COLLINS, Moorestown, N. Jersey.

49:17

DEERE & COMPANY,

MANUFACTURERS OF THE

JOHN DEERE MOLINE PLOWS.

MOLINE PLOW WORKS.

11-INCH STUBBLE PLOW.

THE WORLD'S FIRST PRIZE AT THE VIENNA EXPOSITION IN 1873.

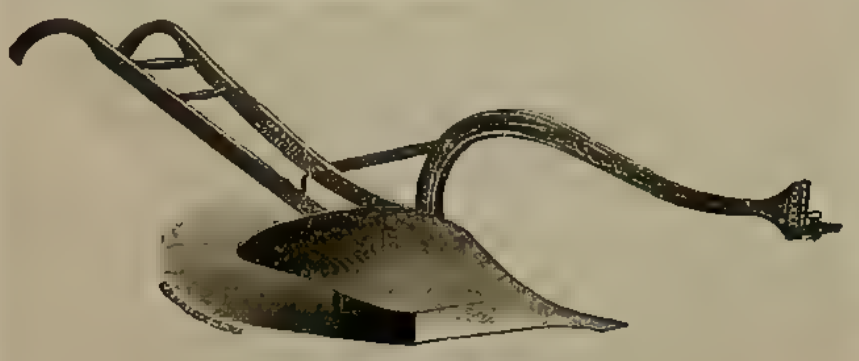
The points sought for in plows are steadiness of run, ease of draft, perfect work, and durability—and these important considerations we think we have secured to our plows. This was so decided by the Committee at the Great Vienna Exposition, who awarded the prize to our plows.

THE DEERE GANG PLOW.

Its ingenious construction and simplicity are shown in the fact that as a lever it is operated to any required depth. Open up the first furrow and finishes the land by simply moving the lever from one notch to another, the plows maintaining a level position at all depths, and by pressing the lever forward it lifts the plows out of the ground on the hub, the plows are carried clear of the ground by a half revolution of the wheel.

Its strength and durability are shown by merely stating that it is all iron and steel, and although there are many lower priced Gangs than ours, its cheapness is demonstrated by its greater durability and superior adaptation to the purpose for which it is designed. The DEERE GANG has an advantage over others, also in the lightness of draft, as has been proved in many dynamometer tests and the many farmers using them have been satisfied, by comparative team tests, that no draft is added by the weight of frame and driver, and this is accounted for by the well known fact that a heavy load can be carried on wheels easier than a lighter one can be dragged on the ground.

The principle on which the DEERE GANG is constructed is such that the tendency of the plows to run at greater than the required depth is arrested by the lever, and the weight of plows and earth upon them, as well as that of the frame is transferred to and carried by the wheels.



IRON BEAM PLOW.

The stickiest soil will not adhere to the working surface and more and better work can be accomplished with them each day, with ease to team and plowman, than with the plows of any other make.

They have been awarded the highest prizes ever offered in the country on plows, and have successfully carried off the prizes offered by the agricultural societies of the different Western States, and last season was awarded the GRAND PRIZE in field trial at the PARIS EXPOSITION, besides many prizes at other European trials of lesser note.

DEERE & COMPANY,

MOLINE, ILLINOIS, U. S. A.

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

☞Full Directions for Use Accompany every Box.

—— ALSO ——

CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

Clarke's

LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1872.

To MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed good *health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON.

LONDON BOARDING HOUSE, ALBION STREET,

WARWICK, September 23, 1874.

To MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)

JOHN GREEN,
Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,

GALEN CLARK,
Commissioner Yosemite Valley.

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, coming from so high a source, we feel it a duty we owe to the public to give it the following letter:

SANTA CLARA, SANTA CLARA COLLEGE.

COL. WARREN—*Dear Sir*

Heretofore we have had no occasion of trying the Eucalyptus Medicines, in Pills or Liquids, but we have commenced to use them and we find them very beneficial; some of our Fathers find a great relief in their complaints, the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare. Yours respectfully,

A. CICHI, S. J.

At later date we received the following, another proof of the virtue of this Medicine:

The Pills we find to be a mild and beneficial cathartic. The Liquid Extract is a valuable Blood Purifier and a good appetizer. A. CICHI, S. J.

The above from Prof. Cichi, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedial.

We have the names of scores of well known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere Imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you David Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY

David Clarke.

Manufacturing and Wholesale Chemist,

AT HIS LABORATORY,

Warwick, Queensland.

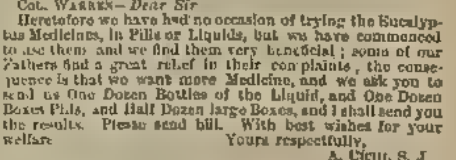
FOR SALE BY

WARREN & CO.,

SOLE AGENTS FOR THE

UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.



EGG FOOD FOR POULTRY.

EGG FOOD IS INVALUABLE FOR ALL Kinds of poultry, make your Hens lay, keeps them in splendid condition, prevents and cures the common ailments. The high reputation of this article among Poultrymen, Fanciers and Farmers in the Eastern States has proved that it is the only and best article to keep your Poultry healthy and make them lay. Call and examine or send for Circulars to WARREN & CO. 320 Clay Street.

Home Miscellany.

"There is no place like HOME.
Home! It should be Heaven on Earth

Written for THE CALIFORNIA FARMER.

THE DRAMA OF LIFE.

BY PHILOCAL.

What is one life? What does it prove,
We are, we have been, but what to be,
The first act done, the curtain down,
Life's changing drama thus we see.

Three acts, then tableau, and all is done;
The lights are out and silence reigns;
The actor sleeps, but does he dream?
What memory of the past remains.

The past, the present, the to be,
Make up our lives, we live in each;
The past is like to volumes closed,
We but remember what they teach.

The present book is opened wide,
We learn its precepts day by day;
Though bitter are the lessons taught,
To-morrow wipes the pain away.

The future, who hath turned the page?
And looking back upon the past,
Surveys the volume word by word,
From the first sentence to the last,

First tableau, birth, when life begins,
Mid hopes and fears that hover nigh,
As hidden buds in spring come forth,
To bloom awhile, then fade and die.

Next scene, the bridal robes appear,
And joy unbounded swells each breast,
With joined hands and willing hearts
The tableau ends, and they are blest

Next scene, the stage is dark and cold,
The actors speak with bated breath,
The music plays a solemn strain,
The third, last tableau, ends in death.

THE SKEIN.

BY ROBERT BUCHANAN.

Slip, yes, slip your skein, my Kitty
O'er my hands, and wind and wind,
All the while, with little pity,
Tangling, tangling heart and mind!
Kitty, eyes upon the wool!
Not on me, my beautiful!

Now you droop your eyes completely,
Winding, winding dreamily,
Wherefore, wherefore smile so sweetly
On a thing that cannot see?
If you must smile, smile this way,
I will bear it as I may.

Ah! the rosebud fingers flitting
Swift about the colored ball!
How my heart beats time while sitting
Still I try to bear it all.
Kitty do you know or care
'Tis my heart you're winding there!

Kitty, I am in a vision!
All the world to mist doth die;
Only in an air Elysian,
Little fairy fingers fly;
Surely, if they flit too near,
I shall catch and kiss them, dear!

Tangled! pout not, frown not, Kitty!
Though I gladly bear the pain;
For your anger is so pretty
It may make me sin again.
There! 'tis well. Now wind and wind,
Tangling further heart and mind.

Now, 'tis done! The last thread lingers
Sadly from me, slow to part,
Can'st thou see that in my fingers
I am holding up my heart?
Wind and wind; I do not care,
Smile or frown, and I will bear.

Ah! so fast and quick you wind it;
I no more can keep it mine;
Do you wonder that you find it
Throbbing now, close, close to thine?
Tangled, tangled are the twain,
Kiss, kiss, kiss them free again!

A LITTLE LONGER.

BY CLIO STANLEY.

Yo a little longer labor,
Toil, for day is not yet done;
For the rest that you are longing,
You must wait till set of sun.

Yet a little longer labor,
Sow the seed in many a field;
Somewhere still a golden harvest
Waits its ripened grain to yield.

Yet a little longer labor,
Stay with patience at the gate;
Angels will undo the portal,
If you labor while you wait.

Yet a little longer labor,
You must take of grief your share;
Yet your Father will not give you
Greater than your strength can bear

Yet a little longer labor,
Thro' the mist of by-gone years,
For the happy moments gathered,
All too short the time appears.

Yet a little longer labor;
Day by day, and year by year,
Nearer, by our heart's devotions,
Will the golden gates appear.

Nearer, by our prayers, the praises;
Nearer, by our songs, the sun,
If we falter while we say them,
Something will be left undone.

Yet a little—and the longest
Day of all our life is done;
The long journey is accomplished,
And heaven's glory is begun!

Some people never have a story to tell, because of their quicksand natures, from which every new wave washes out the old impression.

Many an honest man practices upon himself an amount of deceit sufficient, if practiced upon another and in a little different way, to send him to the state prison.

SOAP.

Anglo-Saxon, sape; Icelandic, sapa; Swedish, sapa; Danish, sabe; Low German, sepe; Dutch, zeep; German, seife; New High German, seife; Latin, sapo; Greek, sapon; Italian, sapone; Spanish, sabon; French, savon; Welch, sebon; Irish and Gaelic, sibunne.

Soap is a compound of one or more of the acids obtained from fatty bodies with alkalines or oxide. Soap, in christian countries, is the first and best article used upon the human frame. In all well regulated families, it is justly applied to all infants immediately upon the first sign or sigh, or cry, uttered upon coming on the stage of human action.

I have remonstrated often, to its too free use in filling eyes, and nose, and ears, and mouth of the most helpless of all young animals—the human infant. Soap is one of the grandest institutions of civilization. Without it, there can be no such thing as cleanliness. By the extent of the use of soap alone, can a race, people, or nation be classed as moral, intellectual, refined or indeed civilized. Soap is truly the index to the scale of a people's freedom. A dirty lady—a dirty gentleman, is a misnomer, no woman can be a lady without being thoroughly cleansed with soap—no man can be a gentleman without the powerful talismanic effect of soap upon his person. To the degree to which individuals make use of soap do they stand in the scale of human existence and to that degree are they responsible for their actions to their Maker. I am not alone in this estimate, for one of the most noted English divines said "That cleanliness was akin to godliness."

We instinctively estimate a person by their cleanliness, and I honestly think we ought to give the full credit where it belongs—to soap.

I know a lady who despises an eloquent and scholarly minister because he does not keep his ears clean. I think that it is this lady's christian duty to supply that godly man with soap. It is painful to witness the declension from the highest type of manhood to that of the low, filthy, lazy, degraded, soapless tramp.

The wicked need soap for their conversion and reclamation—the drunkard must have soap to insure his change of habits. Soap is the most successful preacher, missionary and reformer. Who ever says a clean scoundrel, a neat sloven, an immaculate politician, a sweet scented blackguard. No they are all mean, dirty, vile, low and unsoaped.

Pure, white, clean, pure as water, white as the driven snow, clear as crystal, a diamond, a gem, all indicate our brightest conceptions of the purest essence of love and goodness, and mercy and power, and God.

The best human means of cleanliness is soap. Soap is the very type of purity. Soap insures us prime meat, and milk, and butter, and cheese. Without soap, hotels and boarding houses would become filthy congregations of bad women and vile men.

Without soap, education and decency would decay, and the morals of a community would become corrupt, and a horrible stench would offend the very nostrils of civilization.

In the strain of Sancho Panza, long life to the man who invented soap.

The farmer's wife who makes and uses soap, is an honor and an ornament to agriculture.

I trust that every member of the Farmers' Club of the American Institute, will hold soap in the highest estimation and will vie with me in sounding the praises of that purifier of men and morals, and not only vie with me in its praises, but its free use also.

It is indispensible in every department of life; it is one of the grandest sanitary means in houses, homes, and hospitals, it is used in sickness and in health, it is beneficial internally and externally to the sick and injured; it is used as a pill, a plaster, a liniment, a lotion and a wash! It is always safe, and always beneficial in all forms and for all purposes. It comes the nearest to a panacea for all ills, of any remedy. It is a handy thing to have in the house. It purifies and ennobles those who use it; it qualifies us to live, and prepares us for a decent burial; it purifies us soul and body, gives us clearer views of ourselves and of others, it teaches us our duty to ourselves, our duty to our fellow men, it teaches us to come to the throne of the heavenly grace with clean hands and pure hearts; for with purity only shall we see God.

Agriculturally, soap is indispensable in the kitchen, the parlor, the garret, the cellar, the dairy, the garden, the orchard and the stable.

Soft soap is a slippery thing in the launching of a ship, and it has saved many a man from utter wreck and ruin.

By A. S. Heath, M. D., read before the Farmers' Club of the American Institute.

AQUARIUM CEMENT.—To make an aquarium cement, follow these directions and you will find they can be relied upon. It is perfectly free from anything that injures the animals or plants. It sticks to glass, metal, wood, stone, etc., and hardens under water. Take one part, by measure, say a gill of litharge, one gill of plaster of Paris, one gill of dry white sand, and one-third of a gill of finely powdered resin. Sift, and keep corked tight until it is required for use, when it is to be made into a putty by mixing a little boiled linseed oil, with a little patent dryer added. Never use it after it has been mixed—that is with the oil—over fifteen hours. This cement can be used for marine as well as fresh water aquaria, as it resists the action of salt water. The tank can be used immediately, but it is best to give it three or four hours to dry.

"George," cried the elder Washington; "George, my son, did you fasten the front gate last night?" "Father," replied the faithful George, edging off towards the back fence, "I did; I cannot tell a lie; I did it with my little hatch it."

Little four-year-old Mary complained that her button shoes were "hurting." "Why, Marie, you've put them on the wrong feet." Puzzled and ready to cry, she made answer, "What will I do mamma? They's all the feet I've got!"

"The worse dose of 'hop-bitters' I ever had,' said the young man, "was the other night when took a girl to a hop, and some other fellow danced with her every set."

A HISTORY OF THE ICE TRADE.

It is not intended within this short sketch to give more than a mere outline of the history of the ice trade, for its brief career of only three-fourths of a century is so barren of statistical information and data of facts, that anything like a complete history is out of the question.

Ice, as a commodity of commerce, was little known prior to the dawn of the present century, but the using of ice as a private luxury, can be dated back many centuries, if not to the earliest times. History informs us that the Greeks and Romans constructed deep underground vaults for the preserving of snow, which they kept by close packing. It is also stated that several centuries later the tyrant, Nero, built an ice house, but the records do not give us a description of its architecture: therefore, we are unable to make any comparison of it with the ice houses of modern times.

Several centuries later, we find that there was an established trade in snow, which was brought from the summits of the distant mountains to cool the beverages of the luxurious Romans. How they surmounted the difficulty of transporting their melting snow-balls, under the scorching Italian sun, is a matter of mystery, and will probably never be answered. The Italian peasants seem to have followed the example of the prosperous and enlightened Romans, for a profitable business has been carried on for several centuries by collecting the snow on the Alpennine Mountains, and stowing it in the caverns of those mountains, to supply a large demand at Naples. In the seventeenth century snow and ice were collected in many parts of France in the winter, and kept for summer use in caves, pits and rudely constructed houses, packed with saw-dust, leaves, straw, bark, etc.

During the latter part of the eighteenth century ice was harvested and packed away by the opulent landlords and aristocracy of England, and also by the farmers and well-to-do citizens of the United States, for family use.

But with the dawn of the nineteenth century, the century of unparalled progress and invention, the first ice wagon is supposed to have appeared upon the street. Now almost every creek, river, pond and lake is robbed of its crystal coat, and the plunder stored away in the ice house, until the summer day bring forth the congealed treasures from their hidden recesses, to minister to the many wants of man. The business was of necessity limited and local in its nature, and ice was rarely conveyed any great distance. The city of Boston, by reason of her geographical position, availed herself of her facilities for obtaining the purest and thickest ice, and soon invaded the States in the north-east, where the crystal ice was to be found in abundance. Mr. Frederic Tudor, a worthy citizen of Boston, not contented with home success, sought foreign fields; and did actually, about the year 1806, freight his vessel with 125 tons of ice, and sailed from Massachusetts Bay to the Isle of Martinique. The next year he exported 250 tons to the port of Havana. Every successive year new customers and heavier shipments were added to the list, yet with all his efforts, so many obstacles arose, that the business proved unprofitable for upwards of twenty-five years. Finally a monopoly of the trade in Cuba, was granted him by the Spanish Government, and success thus assured became the stepping-stone to new ventures and triumphs. In 1833 he sent a cargo of 175 tons to the East Indies, which was delivered at Calcutta, after a waste of about 75 tons from leakage. The ice was sold at once at less than two-thirds the cost of that prepared by the natives. The following year he dispatched a cargo to Brazil. In 1836 he exported 51 cargoes, aggregating 13,000 tons. In the succeeding ten years, he, with other dealers in Boston, forwarded 180 cargoes, amounting to 75,000 tons; the trade kept gradually advancing, the next ten years, we find that Boston had supplied 367 cargoes, containing altogether about 150,000 tons. A part of this large shipment was distributed amongst the Gulf and Atlantic ports of the United States, and a large proportion to Central and South America, Bahama and West Indies, Australia, China and East Indies.—*Ice and Fish News.*

DOMESTIC RECEIPES.

DIRECTIONS FOR MAKING STRAWBERRY ICE-CREAM.—Sprinkle sugar over the strawberries; mash and rub them through a sieve. To a pint of juice add a half-pint of good cream; make it very sweet. Freeze in the usual way, and when beginning to set stir in lightly one pint of whipped cream, and after this a handful or two of whole strawberries, sweetened. Put into a mould imbedded in ice. Frozen fruit custard, which admits not only of the addition of fresh peaches, cut in pieces, but any ripe berries, is a convenient dish, and may possibly be preferred. The ingredients required are one quart of rich milk, one quart of cream, the yolks of six eggs, three cupfuls of sugar, one pint of peaches cut in pieces or the same amount of fresh ripe berries. Beat the yolks of the eggs and sugar well together. Heat the milk almost to the boiling point and add it gradually to the beaten eggs and sugar. Whip in the frothed whites and return to the custard kettle, stirring it constantly until the custard has thickened, taking care that it does not curdle. Let it get perfectly cold, beat in the cream and freeze. If you let it freeze by setting in ice stir in the fruit after the second beating; if you turn the freezer during the process and the fruit when the custard becomes like congealed mush.

LEMONADE.—For lemonade, allow three lemons to a quart of water and six tablespoonfuls of sugar. Squeeze the lemons upon the sugar, add a very little water, and let it stand fifteen minutes before adding the remainder of the water; ice well. When it is desired, one lemon out of the three may be sliced instead of squeezed. Orangeade is made in the same manner, substituting oranges for lemons.

ELECTRIC BATHS.—One of the most important places for comfort and health, is a visit to the "Trall Hygienic Sanitarium and Electric Baths," No. 8 Ellis street, under the charge of Dr. D. C. Moore and lady; here can be found a true Hygienic home, we commend it to all.

Dr. Moore delivers at his home a series of lectures of much importance to the cause of health, these lectures are weekly and free.

SPEAK GENTLY.

Speak gently! it is better far
To rule by love than fear—
Speak gently! let not harsh words mar
The good we might do here.

Speak gently! Love doth whisper low
The vows that true hearts bind;
And gently Friendship's accents flow;
Affection's voice is kind.

Speak gently to the little child!
Its love be sure to gain;
Teach it in accents soft and mild;
It may not long remain.

Speak gently to the young, for they
Will have enough to bear—
Pass through this life as best they may,
'Tis full of anxious care!

Speak gently to the aged one,
Grieve not the care-worn heart,
The sands of life are nearly run,
Let such in peace depart!

Speak gently, kindly to the poor;
Let no harsh tone be heard;
They have enough they must endure,
Without an unkind word!

Speak gently to the erring—know,
They may have toiled in vain;
Perchance unkindness makes them so;
Oh, win them back again!

Speak gently! He who gave us life
To bend man's stubborn will,
When elements were in fierce strife,
Said to them, "Peace, be still."

Speak gently! 'tis a little thing
Dropped in the heart's deep well
The good, the joy which it may bring,
Eternity shall tell.

THE WORM AND THE FLOWER.

BY J. MONTGOMERY

You're spinning for my lady, Worm,
Silk garments for the fair;
You're spinning rainbows for a form
More beautiful than air,
When air is bright with sunbeams
And morning mists arise
From woody vales and mountain streams,
The blue autumnal skies.

You're training for my lady, Flower!
You're opening for my love
The glory of her summer bower,
While sky-larks soar above.
Go, twine her locks with rosebuds,
Or breathe upon her breast;
While zephyrs curl the water floods,
The rock, the halcyon's nest.

But oh! there is another worm,
Ere long will visit her,
And revel on her lovely form
In the dark sepulchre;
Yet from that sepulchre shall spring,
A flower as sweet as this;
Hard by the nightingale shall sing,
Soft winds its petals kiss.

Frail emblems of frail beauty, ye,
In beauty who would trust;
Since all that charms the eye must be
Consigned to worms and dust.
Yet like the flower that decks her tomb,
Her soul shall quit the clod,
And shine in Amaranthine bloom,
Fast by the throne of God!

SAVE YOUR EYES.

AMONG THE MANY AND WELL ATtested virtues of the Eucalyptus Remedials, its great and invaluable agency in benefitting the eyesight is one of its prominent features. By careful tests made by persons having WEAK EYES, and persons even of an advanced age, who have used "Clarke's Concentrated Fluid Extract" for the eyes as a bath the most astonishing results have been attained, weak eyes have been entirely cured and aged persons have had their sight so greatly improved as to do away with glasses. This liquid is for sale at the FARMER OFFICE, the American Agency, 320 Clay Street.

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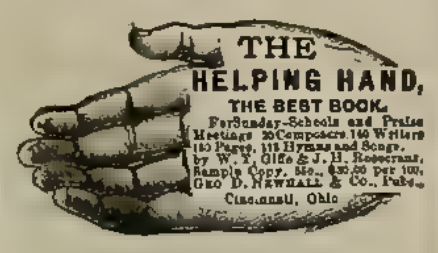
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THE BEST BOOK.
For Sunday-Schools and Prize
Meetings 20 Composers 140 Writers
145 Pages. 118 Hymns and Songs.
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48:2

URANINE.

This wonderful new compound which has excited so much wonder and admiration, and which is so valuable as an Analine Dye, has been received by us and will be offered for sale by us at early day. We can show it as illustration of its magic power—a single grain will color 350 gallons of water. For sale at

FARMER OFFICE.

SEND THE FARMER ABROAD.

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, to send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a JOURNAL as the CALIFORNIA FARMER. We know our JOURNAL is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the HOME CIRCLE everywhere, as a JOURNAL free from all impure and objectionable reading matter or advertisement.

To every subscription abroad, SPECIAL PREMIUMS OF SEEDS are donated with the paper, to benefit our State.

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THE BEST.

What the Great Musicians and Singers say of them.

NEILSON. I shall take every opportunity to recommend and praise your instruments.

KELLOGG. For the last six years your Pianos have been my choice for the Concert Room, and my own house.

PATTI. I have used the Pianos of every celebrated maker, but give yours the preference over all.

STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

WEHLI. Madame Parepa called your Pianos the finest in the United States. I "fully endorse," that opinion. They have no "rival anywhere."

MILLS. Amongst the many excellent Pianos made in the city, the Weber ranks foremost.

LUCCA. Your Uprights are extraordinary instruments and deserve great success.

MURSKA. Your instruments surpass my expectations, and I rank you justly as the Foremost Manufacturers of the day.

GODDARD. Your instruments have no "superior" anywhere. I certainly have not seen any Pianos in America which approach them even.

The Cottage Gem Piano,

Is 7 Octave. Serpentine Mouldings. Carved Legs, and is the BEST PIANO in the market for the price.

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THE TWENTY-NINTH ANNUAL SESSION OF THIS Institution will be resumed Tuesday, August 5th.

This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It occupies six large buildings with extensive shady playgrounds, covered gymnasiums, swimming pond, etc.

It possesses a most complete philosophical apparatus, and valuable collections of mineralogy and geology. It has also practical schools of Assaying, Surveying, Telegraphy, Photography, and Commercial business. For the latter a new building 100x40 has just been finished that leaves nothing to be desired.

Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course.

TERMS—(Payable semi-annually in advance) Matriculation fee, to be paid but once..... $ 15 00
Board, Lodging, Tuition in all branches, Washing and Mending of Linen, School Stationary, Medical attendance and Medicine, Baths, etc., per session of ten months..... 250 00

For further particulars apply to the President of Santa Clara College, or to St. Ignatius College, 841 Market Street, San Francisco
34-1 REV. A. BRUNENGO, S. J., President

GRAND TRIUMPH FOR EUCALYPTUS.

EUCALYPTUS WILL CONQUER DISEASE.

We publish the following strong TESTIMONIAL in favor of the GRAND REMEDIAL POWER of the Eucalpytus, prepared by DAVID CLARKE, CHEMIST, of Australia.

This Testimonial comes from a prominent Merchant of this City, whose name is with us for reference for all who suffer and would be relieved.

SAN FRANCISCO, April 7, 1878.

EDITOR CALIFORNIA FARMER—*Dear Sir:*

Some time ago I had the misfortune to sustain a dislocation of the shoulder received from a fall, and while I was suffering the most acute pain as the effect of it, so much so as to be deprived of my sleep nights, I met my old friend, Col. Warren, who presented me with a bottle of "Eucalyptus oil" saying as he did so, "try it." "bathe the shoulder and arm well, and on retiring saturate a cloth with the oil, and bind it to your shoulder, and you will have no more sleepless nights on account of pain from that." I followed the Colonel's directions, and must say that the Eucalyptus Oil will do all that is claimed for it as an alleviator of pain (rheumatic and otherwise) and more too.

A preparation made from the Eucalyptus Trees, by frequent ablutions of the eyes will restore weak eyes to strong ones and positively restore the sight as good as ever to people whose eyes are failing, if they will keep their body in good condition by the use of Eucalyptus Pills—while using the eye wash Yours truly, C. H. B.

N. B.—There are many compounds made in this State, yet however good, the *genuine* Remedials are those prepared by David Clarke, Warwick, Australia, for sale by Warren & Co., Agents.

WELL AUGER. Ours is guaranteed to be the best in the world. Catalogue free.
W. W. GILES, 149 Clark st., Chicago, Ill.
49:14 6t col*

Miscellany.

Gatherings along the way side,
Floating gems by every tide.

BILLINGS' "PROBABILITIES."

Josh Billings, who is as usual passing his summer in the White Mountains, has put it in the way of the White Mountain *Echo* to print a few component parts of his new book to be published in the fall. Its title will be "Old Probabilities. Perhaps Rain—Perhaps Not;" and it will have for its leading motto: "Truth is sed to be stranger than fickshun; it is to most fholks." The selections are these:

About the hardest thing a fellow kan do iz to spark 2 gals at one time and preserve a good average. Try it.

Don't despize your poor relashuns. They may be taken suddenly ritch sum day, and then it will be awkard to explain things to them; undoubtedly so.

Next to a klear knoshience for solid comfort cums an easy boot. Try both.

If a young man hain't got a well balanced head, I like to see him part his hair in the middle. Don't you?

I don't take any foolish chances. If I was called upon to mourn over a dead mule, I should stand in front ov him and do my weeping.

There is no man so poor but what he can afford to keep one dog, and I have seen them so poor that they could afford to keep three.

I say to 2 thirds of the ritch people in this world, make the most ov your money, for it makes the most of you. Happy thought.

I never argy agin a success. When I see a rattlesnake's head sticking out of a hole, I bear off to the left and say to miself that hole belongs to that snake.

The infidel argys just as a bull duz chained to a post. He bellows and saws, but he don't git loose from the post, I notice. Not much.

I thank the Lord that there is one thing in this world that money kant buy, and that iz the wag ov a dog's tail. Yure unkle.

I have seen men so fond of argument that they would dispute with a guide-board at the forks ov a kuntry road about the distance to the next town. What fools.

There are but fu sights in this life more sublime and pathethick than two see a poor but virtuous young man struggling with a mustach. It iz thus.

I notice one thing, the man who ride on the kars every day is satisfied with one seat; but he who rides once a year wants 4. That's so.

Flattery is like cologne water, to be smelled of, not swallowed.

The man whom you kant git to write poetry or tell the truth until you get him half drunk aint worth the investment.

Whenever I see a real hansum woman engaged in the wimmin's rights business I am going to take of my hat and jine the processhun. See if I don't.

A NEGRO ROMANCE.

A bright-looking mulatto boy was doing the tonsorial act on a gentleman in one of the avenue shops last week. The mulatto artist was tip toeing and going through the movements which barbers only have—and none of us would let others be so familiar—when he evidently became pained at the silence of his customer. Feeling of the chin of the man in the chair, searching for an overlooked bristle, the tonsorial tickler ventured:

"I see dey is gotten out de remains ob a young woman in de South'n—dat razah don't pull you, sah!"

It was pulling, but the customer had resolved not to say a word. The mulatto boy strapped his razor on the palm of his hand.

"I knows one woman in dis ere world who owes her 'sistance to a flustation in dat hotel on de night of de fire. You face is tendah, but de beard is tuff, sah. Yes, sah, and ef it hadn't been foh one man's stubbornness, sah, she done bine an angel, long foah dis. I tell you how it was—sit up straight, please. (This was a relief.) You see I was down dar sittin' up wid her, by de windy like, an' she kep' nudgin' me an' bellin' me to go home, don't ye see. I nudge her poire devilment, an' tole her I wouldn't move till de break ob day. Finally I got my work in. I tole her de time had come to stop foolishness, an' she must come to Limerick an' be mine, or else I go away. A niggah ain't got any moh sense when he's co'tin dan a white dry-goods clerk. Just den somebody holler 'Fiah! fiah!"

(The artist here had dropped everything and went through some kind of a motion.)

"Well, sah, I thought fust that it was a put up job by anodah niggah who'd been co'tin de same piece of culled cream, an' I was bery much riled. Bimeby I see a flame, an' I jos pick up Kate on my back, an' she hole on like a coon on a tree when you shakin' de tree. I tote her down stahs and through de flahy fuuess out on de sidewalk and obah to de laundry. Dar I put her down, an' go look at de fiah an' heah de hissin' ob de flame, an' bimeby we heah de people gittin' killed. Den she jes' lif one ob her arms roun' mo an' says:—'Bill, you knows what you se me up dar by de windy?' pinting up to it. I sez, 'Honey you know I does.' She sez, 'Well, I told you yes.' It may not bin de right ting to do, sah, but we nevah stopped to see the end of dat fiah. We done jes go right off foh Squire Cady, who was down town, and got it fixed. An' we's bin livin' togeddar ebber since. An' we nevah heah an alahm ob fiah go in' ob nights now dat we don't kind o' hug up close togeddar in memr'y like ob de ole flame. Dar you see, sah; brush de gemmen, an' come dis way de next gemmen."—*St. Louis Times-Journal.*

Anybody can catch a cold now. The trouble is to let it go again, like the man who caught the bear.

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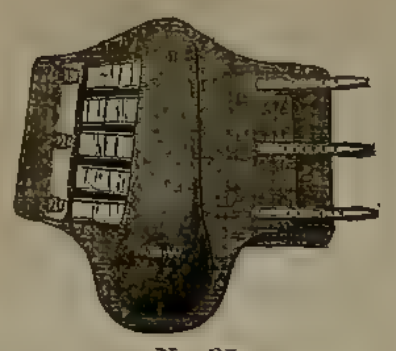

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Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47:20

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Have constantly on hand a full supply of all kinds of Manila and Sisal Rope—manufactured from the PURE Fibres—and by the latest improved machinery. All our Manila Rope GUARANTEED.

HAY ROPE.

The special advantages of Rope for baling purposes, are the uses to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for Halters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when baled with Rope.

FOR SALE BY ALL DEALERS.

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A GOOD PLAN.

Anybody can learn to make money rapidly operating in Stocks, by the "Two Unerring Rules for Success," in Messrs. Lawrence & Co.'s new circular. The combination method, which this firm have made so successful, enables people with large or small means to reap all the benefits of largest capital and best skill. Thousands of orders, in various sums, are pooled into one vast amount and *co-operated* as a *mighty* whole, thus securing to each shareholder all the advantages of the largest operator. Immense profits are divided monthly. Any amount from $5 to $5,000, or more, can be used successfully. *N. Y. Baptist Weekly*, September 28, 1878, says, "By the combination system $15 would make $75, or 5 per cent.; $50 pays $350, or 7 per cent.; $100 makes $1,000, or 10 per cent. on the stock, during the month, according to the market." *Frank Leslie's Illustrated Newspaper*, June 29 "The combination method of operating stocks is the most successful ever adopted." *New York Independent*, Sept. 12 "The combination system is founded upon correct business principles, and no person need be without an income when it is kept working by Messrs. Lawrence & Co." *Brooklyn Journal*, April 20. "Our editor made a net profit of $101.25 from $20 in one of Messrs. Lawrence & Co.'s combinations." New circular (mailed free) explains everything. Stocks and bonds wanted. Government bonds supplied. Lawrence & Co., Bankers, 57 Exchange Place, N. Y. 49:10

Farmers' Accounts.

WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer.

A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to all—handsomely got up and finely bound. Price, $2.50, worth ten times the cost. 45:21

New Books--Life Science.

The following valuable new works just received at THE CALIFORNIA FARMER OFFICE, 320 Clay Street, worthy special attention:—

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A most valuable work, one volume, 900 pages, fully illustrated with 200 engravings.

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A most interesting volume of nearly 1200 pages, admirably illustrated; Also, "Science in Story" in five volumes, most admirably written and most inviting to every reader and conclusive in the arguments of every story.

These Volumes are all Edited by Dr. E. B. Foote, and issued by the Murray Hill Publishing Company, of Chicago, Ill., and for sale at the FARMER OFFICE.

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For Sale at 320 Clay Street.

MILK, WINE, CIDER

All kept sweet indefinitely by arresting fermentation. Water—the muddiest—made pure and clear as crystal. Enough for ten barrels sent on receipt of "One Dollar." Agents wanted. Address ELSOM'S LABRATORY, Forestville, Chatangue County, N. Y. 42:13

FAMILY FRUIT DRYER.

A VERY ECONOMICAL FRUIT DRYER AND ONE that can be used upon the COOKING RANGE in the family with very little care or attention—easily managed, doing the work perfectly, the best and cheapest Dryer known, can be seen at the office of the CALIFORNIA FARMER, 320 Clay Street.

THE BEST WAGON ON WHEELS

IS MANUFACTURED BY

FISH BROS. & CO.,

RACINE, WIS.

WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

USING NOTHING BUT

First-Class Improved Machinery and the Very Best of Selected Timber,

AND BY A THOROUGH KNOWLEDGE OF THE BUSINESS, WE HAVE JUSTLY EARNED THE REPUTATION OF MAKING

"THE BEST WAGON ON WHEELS."

We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ———, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {TITUS W. FISH, EDWIN B. FISH, JNO. C. HUGGINS,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. **Send for Prices and Terms,** and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.

—OR—

GEO. A. DAVIS,

Manfacturers' Agent for Pacific Coast,

327 MARKET STREET,

48:17 **SAN FRANCISCO.**

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS

To all Parts of the United States.

J. F. FARNWORTH. - - - - - - - - - - M. T. BREWER.

NOW IS YOUR TIME TO ADVERTISE.

ADVERTISERS ABROAD AND AT HOME.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows:—All line advertisements will be ONE DOLLARS for Five Lines, or less, Nonpareil, *first insertion*; larger space, *Fifteen Cents per Line*, each subsequent insertion, *Ten Cents per Line*. This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community.

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $20.00.

For one-eighth of a column, three months	$10.00	For one-half of a column, three months	50.00
For one-quarter of a column, three months	30.00	For an entire column, three months	100.00

For a single month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable: the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rates.

WARREN & CO., Proprietors,
320 CLAY STREET, SAN FRANCISCO.

COMMISSION SALES-ROOM,

—AND—

Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We would therefore offer to make purchases for all who wish our services, of any of these articles named, or for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by EXPRESS, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their WANTS.

Gardens and Grounds designed and put in order, and every article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

BOOKS---SEEDS---TREES

All rare and choice things can always be purchased as above.

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE,

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 5 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine **Patent Bee Hives** of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,
320 Clay Street,
SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Linament for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Linament is needed, as it has been proved to be the best Linament known.

FOR SALE,
Wholesale and Retail,
WARREN & CO.,
320 Clay Street,
AGENTS FOR DAVID CLARKE'S REMEDIALS.

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill*" this we cannot do without CASH, or a special understanding before hand.

WARREN & CO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

San Francisco, October 2, 1879.

Money and Exchange Tables.

Etc. on England, new style, long and short	4 82 a 4 84
Gold, at par	— 1 00
Silver, at par, in sums of	— 20 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	8s 6d a 9s 6d.
Value of Club Wheat in Liverpool	9s 6d a 9s10d.
Value of Wheat in New York, bushel	1 20 — 1 25
Brewers Barley in New York, bushel	30 — 3 10
Wool in New York	20 — 35

MONEY AND EXCHANGE TABLES.

Money is so abundant as really to go round, begging borrowers, and yet money is much wanted among business men but hard to get by reason of a want of general confidence.

The millions of England and France is now flowing towards the United States, it comes to pay for breadstuff and our manufactures that by reason of their great excellence are fast taking the place of European goods, and thus we are draining Europe of large amounts of their gold.

Bank rates for money has advanced both in England and France—Germany and other great money marts hold to a higher value still.

Money in our city and State rates at 6 to 8 per cent. at banks of discount, and at savings and loan on real estate at 8 to 11 per cent., taxes paid by lenders—money plenty in

GRAIN AND FLOUR MARKET.

The *Grain Market* of our State is like a large cauldron under which a fierce fire has been lighted and the heated bubbles begin to come to the surface, showing that the fire is hot below—so our grain market is now—for the word has come of short crops in England, and a sudden advance in price, and this matter of short crops will not be allayed until the infection has run its time as a fever runs.

We are bound to have a little bit of a *furore* in prices and grain will go up to $2, and we should not be surprised if it advanced even to 2½ cents—this will depend wholly upon who holds the talismanic strings.

It is a very easy thing to start a fire—but a hard matter to stop it, as in the case of the great Deadwood fire—just now the fever heat increases and news comes over the wires of short crops to the amount of $250,000,000, here we can hardly conceive of such a loss.

We do not wish to see a *furore* in prices, unless we could put all the gain in the farmers' pockets, then we really should rejoice.

We have before us a letter from a prominent merchant doing business in London and Australia, we copy from his letter of September 3d, as follows, after giving us items of the general news, he says:—

"The season has indeed been a wretched one in England, the continued wet weather has caused incalculable damage, in the North the wheat is still green, nearer London it is turning yellow, but it seems too late, it ought to have been garnered weeks ago, the weather is fine now, but hundreds of tons of hay have been spoiled, potatoes have rotted, and in Kent nine out of ten hop gardens are so completely spoiled that the hops are not worth picking.

The loss in different crops is reckoned between £80,000,000 and £100,000,000, [equal to $300,000,000 or $500,000,000], so that for the coming winter England will be largely dependent upon America for all produce."

Such is the tone of a very intelligent merchant right on the spot—we give the letter verbatim and leave the readers to draw their own conclusions—one thing is very certain, what will be England's loss will be America's gain—and this change in values of all American produce will be the stepping stone to the "better times coming."

Wheat has started on a lively upward move, and ships will load merrily, even with an advanced price of freight, from 40s. to 50s. there has been equal to one ship load per day leave our port for this month—the price of wheat reaches $1.65 this week, and will be $2 the cental by the 10th of October.

Our Eastern States never had so great a surplus, and they are now using it well, while our grain holders are holding it back, feeling assured of a still higher rate.

The wheat and flour market has as we note above had an electric start, and both have advanced closely, so think those that are gainers.

Barley, Oats and all grains will now be in better demand.

The *Feed Stuffs* and *Hay market* feel that impetus of the higher figures for grain—and all business in produce will be better

The *Hop market* has had a lively jump, and by reason of the loss of crops in Europe and short crops elsewhere, the price has advanced very high.

The *Market for Honey* is better in price and steadily advancing, with very small stock on hand among honey men. *Beeswax* scarce.

The *Potato market* shows an overflowing market and very low prices—*Sweets* are very plenty and low—*Onions* are a little better than last report.

The *Bean market* has an immense stock to grapple with—old beans lots, and new beans immense crops, some exports help, but prices lower.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 50 — 1 60
do Choice do	1 70 — 1 80
do Milling do	1 80 — 1 90
Barley, per 100 lbs., feed	70 — 77½
Barley, for brewing, (Chevalier)	1 00 — 1 75
Rye	70 — 80
Oats, California, per 100 lbs	1 40 — 1 50
Corn, do. do.	80 — 1 00
Flour, Superfine, per bbl	4 25 — 4 50
do Extra	5 00 — 5 50
Extra Flour for shipping	5 50 — 6 00
Very Extra Family Flour	6 00 — 6 50
Oregon Superfine	4 25 — 4 50
do. Extra for Shipping	5 50 — 5 75
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 20 — 1 40
Bran per ton	14 00 — 16 00
Middlings per ton	17 50 — 18 00
Ground barley	18 00 — 20 00
Oil Cake Meal, for feed, per ton	34 00
Beans, per 100 lbs, various	1 75 — 2 50
Beans, Lima	4 00 — 4 50
Potatoes, common	25 — 30
Potatoes, choice	40 — 50
Early Rose	50 — 75
Sweet Potatoes	75 — 1 00
Onions, new	50 — 75
Hay per ton, ordinary	8 50 — 9 00
Hay per ton, extra	10 00 — 11 00
Wheat Hay	11 00 — 13 00
Alfalfa Hay	
Straw per ton	4 00 — 5 00

Retail Prices in the Fruit Market.

The *Fruit market* was never better supplied than at the present time, all the choicest varieties of fruit are coming to market in great abundance, and of the very best quality too, so abundant is the stock generally that it does not pay the grower to stop to gather any but the most perfect fruit for market.

Blackberries are getting scarce now, 30 to 40 cents the drawer, Strawberries, more scarce, 30 to 40 cents the drawer, Raspberries a few, Nectarines now come in more freely, price fair.

The supply of melons is enormous, we have mountains of melons both kinds in mountains in our streets.

The Nut market is well supplied at low rates.

Apples, per box	25 — 75
do. do. lb	4 — 5
Pears, per box	40 — 1 50
" per lb	6 — 8
Figs, dried, per lb	12 — 15
Fresh Figs, per lb	8 — 10
Australian Oranges per doz	40 — 75
" lemons, per doz	40 — 50
Tahiti Oranges, per doz	20 — 30
Lemons, imported, do.	30 — 50
Limes, do. do.	20 — 25
Pine Apples, each	50 — 1 00
Bananas, per bunch	2 50 — 4 00
California Oranges, per dozen	30 — 40
" Lemons, "	30 — 50
" Limes, "	15 — 25
Strawberries	10 — 15
Raspberries	— 20
Blackberries	20 — 40
California Walnuts, per pound	8 — 12
Almonds, hard shell, per pound	12 — 15
do. soft shell, do.	16 — 18
Foreign Pecan Nuts	12 — 15
Madeira Nuts	15 — 20
Foreign Brazil Nuts	12 — 15
Filberts	7 — 10
Chili Walnuts	8 10
Pea Nuts	

Retail Price in the Vegetable Market.

Our *Vegetable Display* is all that any good housewife could ask, there is no one variety of vegetables now but what is found in our market in abundance and at lower prices than has ever been known in our city, a vast amount grown by our Italian, Portugese and Chinese gardeners, for they monopolize all this trade—literally enormous as any one can see that will visit our markets, the wagons stand in early morning on Sansome street and thence down Washington street to the wharves, where vegetables are shown by cargoes—and so every week.

Asparagus	6 — 8
Artichokes, (French) per doz	16 — 20
Tomatoes, per lb	3 — 5
Beets, per doz	25 — 25
Broccoli, each	8 — 10
Cauliflower	8 — 10
Cabbage, do.	3 — 25
Carrots, per doz	75 — 1 00
Celery " do.	— 75
Celery Root per dozen	10 — 12
Cress, per dozen bunches	60 — 80
Cranberries, per gallon	30 — 40
Dried Herbs, per doz	4 — 5
Green Peas, per lb	10 — 12
Lettuce per doz. bunches	5 — 6
Onions per lb	10 — 12
Horseradish, per lb	8 — 10
Okra, green, per lb	— 50
Okra, dried, per lb	— 2
Choice Potatoes	2 — 3
New Potatoes	1 00 — 1 50
Potatoes choice, per 100 lbs	2 — 3
Kidney Potatoes, per lb	1½ — 2
Pumpkins	— 15
Parsnips, per doz. bunches	— 15
Salsify, do. do.	15 — 20
Parsley, do. do.	40 — 60
Pickles, per gallon	6 — 8
Radishes per doz. bunches	2 — 3
Rhubarb, per lb	2 — 3
Squash, Marrowfat	2 — 3
do. Hubbard	2 — 10
Lima, Dry	6 — 8
String Beans, per lb	— 8
Spinage per lb	4 — 5
Salsify, per bunch	— 15
Turnips, per doz	8 — 10
Garlic	15 — 20
Eschalot	8 — 10
Mushrooms	

Fish Market.

The *Fish market* will be always full enough to please even an epicure, as we have fish of all colors and from all waters, deep, shallow, lake, river or sea.

Salmon ₱ lb	4 — 5
do smoked new	6 — 8
do pickled, ₱ lb	6 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Halibut	10
Smelts, per lb	— 10
Perch do.	— 10
Rockfish do.	— 10
Codfish, dry, per lb	— 8
Herring, fresh, per lb.	— 25
do smoked, ₱ doz	— 12
Tomcod, per lb	— 10
Sardines, fresh, per lb	— 20
Solefish, per lb	15 — 20
Mackerel pickled, each	— 25
Shrimps, per lb	— 10
Flounders do.	8 — 12
Sea Bass do.	12 — 15
Halibut do.	20 — 25
Sturgeon do.	20 — 25
Turbot do.	2 — 4
Terrapin, ₱ doz.	2 50 — 3 00
Pompono do.	— 2 50
King Fish do.	— 25
Anchovies do.	12 — 15
Frogs, per doz	2 00 — 2 50

Shell Fish.

The *Shell Fish market* is equal to any market now, for we have all the luxuries, far superior to any European market. Oysters are showing nice and fat and the public appetite now craves this delicious bivalve. Every day a grand show in our market—if you desire the choicest of these luxuries, go to Geo. Mayes in California Market—no change for weeks.

Oysters ₱ 100 choice	60 — 75
Chesapeake oysters per dozen	50 — 75
Cray Fish, per lb	12 — 15
Clams per 100	50
Mussels do	25
Crabs, boiled, each	25
do. soft, per doz.	50

Retail Meat Market.

The *Retail Meat market* furnishes all the choicest kinds at unusually low figures for this season of the year, and is thus an unusual full market.

Porter House	15 — 18
Porter House, extra	20
Beef, tenderloin, per lb	15 — 15
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 10
Veal, per lb	8 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	8 — 10
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	6 — 8
Beef tongues, each	— 75
Pigs tongues, each	— 15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	13 — 15
Choice hams, Duffield	16 — 16
Whitaker, St. Louis, Mo	15 — 16

Poultry and Game Market.

The *Market for Poultry* is well supplied—more than the demand.

RETAIL PRICES.

Ducks tame each	75 — 90
Geese tame, per pair	2 00 — 2 50
Broilers	40 — 50
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	25 — 28
Pigeons, domestic, per doz	4 00 — 4 50
Quail, per doz	1 50 — 2 00
Hares each	25 — 35
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Venison	10 — 12

Poultry and Game Wholesale.

Turkeys	3 00 — 4 00
Large Chickens, per doz	5 00 — 6 50
Hens, per doz	6 00 — 7 50
Turkeys, dressed, per lb	18 — 22
Ducks, tame, per doz	5 50 — 7 00
Quail, pe. doz	1 00 — 1 50
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Rabbits, tame, per doz	1 50 — 1 75
Squirrels, per doz	75 — 1 00
Venison	5 — 8

Retail Dairy Market.

The *Dairy market* is well supplied—prices of roll butter firm, large amounts of pickled butter is coming in.

Eggs are more scarce and higher, the quantity of cheese coming in is large, this brings down prices,

Butter, California, Extra Choice per lb	35 — 40
do. do. for (Cooking) do	30 — 28
do. do. packed best roll	25 — 28
do do. Eastern	20 25
California Eggs, per doz	35 40
Oregon	— 25
Duck Eggs, do	— 30
Farralone Eggs, per doz	— 25
Cheese per lb	15 20
do. Sage, per lb	25 30
Eastern Cheese, do.	25 — 30
Lard, California, per lb.	16 — 18
Lard, Eastern, do.	— 18
Honey, Comb	12 — 18
do. Strained	8 10
Vermont Maple Sugar, per lb	— 20

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb. (Fresh)	30 — 35
do. Packed Roll, do.	20 22
Eastern Butter	15 18
Cheese, California, per lb	10 — 18
California Eggs, per doz	28 — 30
Eastern Eggs, per doz	14 — 20
Duck Eggs, "	22 — 25
Lard, per lb., in tins	13½ — 14
Eastern Lard, per lb., in tins	13 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging market* is now wholly under the control of the combination, and if the long absent ship "Naturalist," with 2,500,000 bags does not come in, then the combination is safe, and bags will hold at 10½ to 11¼c., or higher.

Hand Sewed Bags, Standard, 22x36 com. prices	10½ — 11¼ cts.
Second Hand, Extra	9 9½ do
Machine Sewed, 22x36	8½ — 9 do
do. do. 20x36	— 8½ do
Barley Bags, 22 x 40	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— 8½ do
Wool-sacks, new	45 — 50 do
do. second hand	30 — 40 do
Potatoe Gunnies, Double Sewed	14 — 16 do
do. do. Second Hand	10 — 10½ do
Flour Bags, quarters	4½ 5 do
do. halfs, six qualities	7 — 9 do

Staple Home Products.

The rapidly increasing growth and preparation of our fruits for drying and exportation, our raisins, figs, prunes, jellies, preserved fruits of all kinds, with our large crops of almonds, walnuts, peanuts, etc., is awaking great attention East and abroad, for we now export largely much that we formerly imported, a few years more and the exports of these *Home Products* will fall in tons of thousands of cases, and with constant increase.

Flax Seed, per lb	2½ — 3
Hemp Seed, per lb	3 — 3½
Castor Beans, per lb	— 1 00
Castor Oil No 1 Diamond in cases, per gallon	— 1 30
" " " barrels "	— 90
Castor Oil, No. 2 Diamond in cases per gallon	— 85
" " " barrels "	— 80
Linseed Oil, Boiled	78
do. Raw	55
Cocoa Oil	5 — 8
Hops, California	12 — 15
Hops, new	10 — 12½
Alfalfa	5 — 10
Mustard Seed	4 — 5
English do.	2½ — 3½
Canary Seed	8 — 10
Coriander Seed	3 — 5
Broom Corn	2½ — 3½
Bees Wax	25

California Leather Market Report.

The *markets* for *Hides, Leather*, and *Tallow* have no material change to note, some exports of tallow to give life,—hides soon have demand, and leather a fair trade and some export, all signs are better.

California Sole Leather	20 — 26
do. Harness do.	28 — 30
do. Skirtings	30 — 37½
Bridle Leather	4½ — 6½
Rough do. Oak Tanned	18 — 22
Waxed Calf Skins	50 — 1 00
do. Kips do. per dozen	30 00 — 55 00
do. Leather per foot	13 — 15

Wool, Tallow, Hides, Etc.

The *Wool Market* feels the new business life infused, and prices are firm, with a certainty of a better market, and higher rates.

Wool, Spring Clip	18 — 20
do. Choice Extra	25 — 26
Fall Clip	16 — 18
Oregon Wool, per lb	23 — 28
Eastern Oregon	17 — 20
Medium, bright	16 — 20
do. burry	12 — 15
Goats' Wool (mohair)	30 — 75
Dry Hides, per lb	6 — 18
Green Salted, per lb	7 — 10
Deer Skins	60 — 1 00
Sheep Skins, wool on	25 — 75
do. do. plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	5 — 5½
Tallow, refined	7 — 8

Average Slaughtering Prices.

The *Wholesale Meat Market* is abundantly supplied—but at low prices—the abundance of feed gives good meats, and at cheap rates—prices are higher

Beef, American, 1st. quality	5 — 6	cts
do. do. 2d. do.	4 — 5	do.
do. do 3d. do.	3½ — 4	do.
Veal	4 — 7	do
Mutton	2½ — 3½	do
Lamb	4 — 5	do
Pork, Undressed	3 — 3½	do
do. Dressed	4 — 6½	do

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED ACCOMMODATIONS for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU October 27th, and every fourth week thereafter.

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports; also, HAVANA and all WEST INDIES ports on 5th and 19th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

47:6

Central Pacific Railroad.

Notice to Shippers.

Please take notice that this Company will maintain, for transaction of business in Oakland, TWO STATIONS, viz:

MARKET STREET AND SEVENTEENTH STREET

and to avoid delays we would request shippers to state on receipt, name of station to which freight should be delivered, as to the absence of same all consignments will be taken to Market Street.

J. A. ANTHONY,
Agent.

SAN FRANCISCO, Jan. 13, 1879.

AUZERAIS HOUSE,

SANTA CLARA STREET,

SAN JOSE.

S. W. CHURCHILL, Proprietor.

Auzerais House Coach and Carriages always in Attendance on arrival of trains.

NEW VALUABLE SEED.

SEED OF THAT IMPORTANT TREE KNOWN AS THE famed **BLACK WATTLE TREE**, from which is gathered bark for Tanners' use in Australia, can be grown in California with great profit. More than fifteen thousand tons per year of the bark of this tree is gathered and used in the Australia colonies with great profit. Our farmers should look to this tree and have it grown in California for FARMERS use, and thus encourage HOME INDUSTRY. Fresh seed just rec'ved and for sale at **FARMER OFFICE**, 320 Clay Street San Francisco.

C. P. R. R.

COMMENCING

SUNDAY, JUNE 6th, 1875.

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma. (Arrive 5:55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 5:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 5:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 9:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Summer, Caliente and Los Angeles Also at Niles with Train arriving at San Jose 6:55 P. M. (Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11 10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily. (Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND.

"Daily"—7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M.; 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00, 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.

"Daily, except Sundays" -6:10 A. M. and 11:45 P. M.

"Sundays only"—10:30 and 11:30 A. M.; 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4:00 5:00 6:00 and 10:30 P. M.

"Sundays only" 11:00 A. M., and 1:30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M.; 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—7:30, 8:30 and 9:30 A. M.; 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—6:30, 11:00 A. M. and 11:45

"Sundays only"—10:30, 11:30 A. M. and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 and 10 10 P. M.

"Daily, except Sundays" 5:10 and 5:50.

"Sundays only"—11 40 A. M., and 1 25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:05 and 9:00 A. M.; 3:00, 3:58, 5:00, 6:08 and 7:00 P. M.

"Daily, except Sundays"—8:00, 6:40, 11:30, A. M., and 1:30 P. M.

"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—6:55, 8:00 and 11:05 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M.; 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:20, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays"—5:20 A. M. and 1:50 P. M.

"Sundays only"—10:20 and 11:20 A. M.; 12:20, 1:20 and 3:35 P. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

SUMMER ARRANGEMENT.

Commencing Monday, April 21, 1879,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows.

8.20 A. M., *Daily* for San Jose and Way Stations. ☞Stages for Pescadero (via San Mateo) connect with this train only.

9.30 A. M. *Sundays only* for San Jose and Way Stations. Returning, leaves San Jose at 6 P. M.

10.40 A. M. *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Salinas, Soledad, and all Way Stations. ☞AT PAJARO the SANTA CRUZ, R. R. connects with this train for Aptos, Soquel and Santa Cruz. At Salinas the M. & S. V. R. R. connects with this train for Monterey. ☞Stage connections made with this train. (Pescadero Stages via Sanlafeeo excepted.)

Parlor Car Attached to this Train.

(SEATS AT REDUCED RATES.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, Pajaro, Hollister, Tres Pinos and principal Way Stations. ☞SPECIAL NOTICE—The trains of the Santa Cruz R. R. and the M. & S. V. R. R. which have been connecting with this train on Saturdays at Pajaro and Salinas respectively, have been withdrawn for the season. Those intending to visit Aptos, Soquel, Santa Cruz or Monterey, will take the train leaving San Francisco at 10:40 A. M., daily.

3.30 P. M. *Sundays only* for San Jose and Way Stations.

4.25 P. M. *Daily Sundays excepted* for San Jose and Way Stations.

5.00 P. M. *Daily Sundays excepted* for Menlo Park and Way Stations.

6.30 P. M. *Daily* for Menlo Park and Way Stations.

Excursion Tickets at Reduced Rates

To San Jose and intermediate points, sold on Saturdays, and Sunday morning, good for return until following Monday inclusive, as follows:

Baden	$0.60	Fair Oaks	$1 50
San Bruno	0.50	Menly Park	1 60
Millbrae	0.65	Mayfield	1 75
Oak Grove	0 90	Mountain View	2.00
San Mateo	1.10	Lawrences	2.25
Belmont	1.25	Santa Clara	2.50
Redwood	1 40	San Jose	2.50

Also, EXCURSION TICKETS to Aptos, Soquel, Santa Cruz and Monterey, sold on Saturdays only good for return until the following Monday inclusive.

SECOND-CLASS FARE.

Between San Francisco and San Jose, - $1.00

☞On Freight Trains only, leaving *San Francisco* at 4:00 A. M., and *San Jose* at 8:30 P. M. (daily Sundays excepted).

☞Principal Ticket Office—Passenger Depot, Townsend Street. Branch Ticket Office—No. 2 New Montgomery Street, Palace Hotel.

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

☞Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 4:00 P. M. daily, and making close connection at GOSHEN for Sumner, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton, Colorado River, YUMA and CASA GRANDE. (182 miles east from Yuma.)

FRESH EUCALYPTUS SEED.

Fresh seed of the EUCALYPTUS GLOBULUS just received from Australia—VERY EXTRA QUALITY

Also twelve New Varieties not before introduced here, but valuable kinds.

For sale at the **FARMER OFFICE** 320 Clay Street.

1854. 1879.

THE

CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FIFTH year with 1878, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on the Coast—this was at Sacramento in the year of 1852, and also the GRAND FAIR at San Francisco in 1853—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

THE CALIFORNIA FARMER was the first and only advocate of SILK CULTURE, TEA CULTURE, COFFEE CULTURE, COTTON CULTURE, and the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS, and this was in early years when the mania lightly entered all such enterprises.

THE CALIFORNIA FARMER was the first and only advocate for the planting of the ALFALFA, as a forage plant, and the first to introduce the seed and its culture, and not only this grass, but all other valuable grains and forage plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STONING WHEAT, of SUMMER FALLOW, of SUBSOILING, and of DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL—doctrines that have now, after long years of trial become the basis of true and successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE OF AGRICULTURE, which such years of labor merit, our JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

The TERMS OF THE CALIFORNIA FARMER being placed at a low price, should induce, as we trust it will, a generous addition to our LIST OF SUBSCRIBERS for the year of 1879.

Desirous of placing this old PIONEER AGRICULTURAL JOURNAL, (The only exclusive AGRICULTURAL JOURNAL of the Pacific Coast), before the people at so low a price that all can have it, we make the following

Terms for the Year 1879.

And With Seed Premiums.

Single Copies,	$1 00
Six Copies,	5 00
Ten Copies,	8 00
Twenty Copies,	15 00
Fifty Copies,	35 00

CITY SUBSCRIBERS

Will have their Papers Delivered at their Residence or Post Office Box, as they may desire.

California Farmer, 1879.

OUR NEW CLUBBING LIST.

We propose for the year of 1879 to offer to our Patrons the following valuable JOURNALS in connection with our own, all at reduced rates, so as to give them the best works at low rate—(all postpaid). Price per year.

The FARMER and VICK'S MONTHLY MAGAZINE	$1 50
The FARMER and AMERICAN AGRICULTURIST	1 50
The FARMER and POULTRY JOURNAL	1 50
The FARMER and RURAL NEW-YORKER	3 00
The FARMER and PHRENOLOGICAL JOURNAL	3 00
The FARMER and AMERICAN BEE MAGAZINE	1 50
The FARMER and SCIENTIFIC AMERICAN	4 00
The FARMER and HARPER'S MONTHLY	4 00
The FARMER and HARPER'S WEEKLY	4 00
The FARMER and HARPER'S BAZAR	4 00
The FARMER and HARPER'S THREE WORKS	5 00

WARREN & CO.

EDITORS AND PROPRIETORS,

320 CLAY ST.,

SAN FRANCISCO.

BOOK OF POLITENESS and list of 1600 pieces of new sheet music, full size of page, per 10, 10 cents, postpaid. J. BEISLEY, Freehold, N. J.

CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, OCTOBER 23, 1879. NO. 18.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

No. 320 Clay St., (up Stairs) Below Battery,

SAN FRANCISCO.

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WHITE & BAUER, Washington Street, San Francisco.
WAITE, BURNNELL & CO, Seedmen, High Holborn, London.
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BRYDON & CO., Brisbane, Australia.
DAVID CLARKE, Chemist, Warwick, Queensland.

TERMS OF PAYMENT.

☞ Advertisements and Subscriptions are all payable in Advance.

☞ Our full Advertising Rates will be found on t SEVENTH PAGE.

All Letters on Editorial Matters to be addressed to COL. WARREN, Editor.

☞ All Letters on Business connected with the Office should be addressed to

WARREN & CO., Publishers.

EUROPEAN.

From our Special Correspondent.

PARIS, FRANCE, 1879.

ABOUT BUTTER, CHEESE AND MILK.

Milk is solution of various substances, caseine, albumen, mineral salts, sugar of milk, and lactic acid—for M. Marchand has found this acid present in sixty two samples of milk, taken from as many cows, representing 18 different races, as exposed at the international cattle show in June 1870. In this solution or serum, float innumerable globules of butter. These globulus, when the milk is allowed to rest, rise to the surface and constitute cream. It has been demonstrated, that the Scandinavian plan of Swarz, cooling the milk at freezing point, tends to the throwing up of the cream more rapidly and plentifully. Butter is prepared by beating the cream in various ways, to enable the globulus of butter to unite together and agglomerate. Now temperature has a very important effect on the duration of the churning. Cream ought to be churned at from 8 to 10 degrees lower temperature than milk. Butter intended to be preserved must be well washed, and worked in fresh water with the hand or by machinery. Cheese is a precipitate of milk, caused either by artificial or natural acids. In the latter case the sugar and the lactic acid promote the coagulation of the caseine. Rennet, prepared from the fresh, or dried and salted membrane of a calf's stomach, is the coagulating agent most generally employed, though the stomach membrane of any other animal produces the change equally well. The curd is cut to allow the whey to draw away, and upon the degree of firmness to which it is subjected, depends the form and the quality of the cheese. With high temperature and strong pressure, the caseine is dry; the resulting cheese will be solid but difficult to dry. The opposite characters will exist in the case of soft curd. The salting of the cheese is succeeded by the fermentation. The latter is a very important process in the manufacture; the different varieties of cheese do not ferment at the same temperature, nor under the influences of the same organisms, as fermentation cannot exist without the presence of animalcules—for each variety of cheese, a different species of animalcules is necessary; this explains how the quality of milk, which so largely affects that of butter, is less visible in the case of cheese, where quality is dependent on fermentation. These animalcules necessitate a special preparation of milk intended for metropolitan consumption—as in the case of this city for example. High temperature destroys many varieties of these organisms though there are some that retain their vitality according to M. Pasteur, after several hours boiling. The milk for Paris, collected over a circuit of 40 miles, is deposited twice a day at central depots; here it is raised nearly to boiling point, and then cooled down very rapidly by special machinery, constructed on a kind of distillery principle. Heat kills animalcules; sudden cold paralyzes them, and our stomachs digest them.

CATTLE PLAGUE—HORSES, ETC.

Thanks to the severe frontier police regulations, the cattle plague has not been able to cross into France; people naturally ask, how does it happen, that Germany suffers so frequently from the outbreak, despite the proverbial vigilance of her sanitary inspectors? Isolation is the sole cure known for the plague—as it prevents.

Austro-Hungarians are notoriously fond of good horses, and hence, why the annual sales at the Royal breeding stud at Kisber, are so well attended, and the animals so hotly disputed. Purchasers must be natives to the manner born, and sign a declaration that they will not export the horses. France is about adopting a system demanded since years, that of giving an impulse to horse breeding; in the regional agricultural exhibits, prizes will henceforth be awarded for stallion and mares.

The tricks connected with the sale of horses, are perhaps the same the world over. A French proverb says, in purchasing a horse do not have confidence even in your father. In presence of the dealer, be very silent, neither betray your ignorance nor your capacity, and eschew above all his flattery. On the other hand, never expect a perfect horse, as such does not exist, and bear in mind, that it is not the horse which is to suit the owner, but rather the owner to suit the horse. Indeed the latter is like soup; too hot for some palates, too cold for others, and just the thing for a third taste. In France great attention is paid to the toilettes of horses intended for sale, and this is the more important, as the matter may represent a difference of 1,000 francs when the animal is purchased rough and shaggy from the peasant, with heavy abdomen and broad hoofs, it is placed in a warm and dark stable to be fattened, so as to present in spring and winter, the short shining coat of summer and autumn; it is well groomed, fed on slops and cooked food, till the coat possesses the sleekness of a mouse, with a general roundness of flesh. If the animal be young, this exotic fattening will affect its health; in any case a fat horse means weakness and a presumption of coming malady. The ugly abdomen is reduced by a few purges; the long hairs around the muzzle are burned, as well as the tufts at the ears; the scissors and tweezers regulate the mane and the fetlocks, and the hoofs are pared down to cinderella proportions, the point remains to be settled—that of causing the animal to have as much animation and gracefulness in the tail, as a squirrel's; this is produced by placing a piece of ginger in the rectum, that irritates like a mustard blister. A great many of these frauds can be unmasked, if the intending purchaser tries the horse himself, and far from the neighborhood. We rarely buy a pair of boots without trying them on, but we accept a horse without such a special test. The brutal frankness of the animal will be the corrective for the dealer's flatteries—for horses never flatter.

[CONTINUED IN OUR NEXT.]

THE SYDNEY EXHIBITION.

Where are our California exhibitors at this GREAT FAIR? We know there are some of our merchants and manufacturers that will have their goods there, and California and the United States will have a fair, perhaps a good showing—the Eastern States will show up well.

The manufacturers of plows, reapers, mowers, and all such goods will be there, and large exhibits of many goods from the East.

California will have a fair representation there in several departments.

W. T. Coleman & Co. will have an agent there, Gregory E. Hart, Esq., to exhibit goods from their Eastern house and goods from this side.

Messrs. Cutting & Co. and other fruit preservers will be represented there; yet our State and coast should be more active in this opportunity for the interest of our coast than they have been, for we are nearer to Sydney and all Australia and New Zealand than the Eastern States or Europe, by reason of our Pacific Mail steamers by many days, but we must look sharp, for we note a new steamship line has been started that will make trips in 30 to 40 days, thus giving Europe a chance to compete sharply with the Pacific slope.

The steamer of the 27th of October will undoubtedly leave full loaded with goods for this Fair, and with goods ordered for the Australian trade, for by reason of reported loss of grain crops in some parts of Australia, grain and flour, fruit fresh and preserved, hops, etc., will be sent in large quantities by the 27th inst.

Australia opens up a large country for the trade of the Pacific, if our people will but be alive and secure it before others step in and win it before them.

THE WINE INTEREST.—We give a valuable report upon this great and growing interest in California, a very large number of new vineyards will be planted this Autumn and better attention given to viniculture, the report alluded to is a paper of great interest, and great credit is due to Mr. Haraszthy for his zeal to promote this important industry as is seen by the figures, which show its increasing value at home and abroad.

A new 5 octave, $280, thirteen stop organ for $81—and a 7 octave, rosewood piano, with stool, cloth cover and book. See advertisement of T. Leeds Waters, of New York.

AMERICA IS HONORED ROUND THE WORLD.

Is the title of a beautiful patriotic song with thrilling chorus, just published by F. W. Helmick, music publisher, Cincinnati, Ohio. The same was composed by the popular song writer Charlie Stewart, and respectfully dedicated to General U. S. Grant. Every true born American citizen can not fail to appreciate the high honors shown America through their former ruler and representative both in war and peace.

We know that every man and woman true to the American flag will sing with enthusiasm this beautiful patriotic song. The arrangement is perfectly easy, so it can be played on either organ or piano.

By permission of the publisher we give the words of this elegant song.

FIRST VERSE.

Brittania rules the waves, and Britons are not slaves
So England proudly sang for many years,
The sunbeam glow and glance, o'er Russia, Spain, and France
Whose valor on the page of fame appears.
While other nations too, may boast what they can do
When war against their cherished land is hurled,
Yet 'tis left for us to say, in this glorious Freedom's day
That America is *honored* round the world.

CHORUS.

Let Kings and Empires boast, of all their mighty host,
Their royal banner to the breeze unfurled.
Neath our glorious flag to-day, we are only proud to say
That America is *honored* round the world.

SECOND VERSE.

We have our valiant sons, our vessels and our guns,
That will defend the nation in its need.
But neath the wing of peace, all strife and tumults cease,
A refuge for the crushed of every creed,
And so our country's name, it lifts in pride and fame,
Its glory o'er the distant sea is whirled.
As home of liberty, as the land where all are free,
So America is *honored* round the world.

THIRD VERSE.

In earths remotest lands, our country ever stands
A symbol of the people's pow'r and might.
Where tyrants never reign, where clank no slavery's chain,
And men are men by justice and by right.
Then let our flag of stars, with white and crimson bars
To heaven's breeze proudly be unfurled,
Let it be the nation's boast, and the pledge of every toast
That America is *honored* round the world.

THE BALLOONISTS' CALAMITY.

Verdict, *accidental death.* No! call things by their right names, call it PREMEDITATED DEATH, for if there ever was any plan of danger to life *premeditated* then this was a case, where with a full sense of the perils of such venturesome voyages these unfortunate men rushed upon danger and death with a daring bravado worthy a better cause.

This Sabbath calamity that drew *ten thousand people* from their homes and a better use of the day, we sincerely hope will now stop all such scenes and exposures and all such public shows, especially on the Sabbath, forever in our City.

Even while these daring voyagers were venturing on their fatal journey they knew that there were two other balloonists that had ascended from St. Louis, Mo., (Wise and companion) who had not then been heard from, and we all know that one calamity of any kind; of any nature of a startling character is quickly followed by another, and this last one in our City we are glad to know has at last aroused the public mind, so that we may be assured that this is the *last ballooning* from Woodward's Garden, for so says its present proprietor.

When our people shall duly reflect upon the *cost* of such useless shows to the masses, even those who are crying *hard times*, let them estimate the cost to the common, hard working people of that balloon ascension, of the *ten thousand* said to be present not less than *one dollar* each, all expenses, and often three times that and we have $10,000, then add to this the cost of another great show, the *walking* and the *running matches*, these may be estimated at $30 to $40,000 all told, and we approximate to $50,000, and this too in *hard times*, and what *real good* has been gained for the people of our City or our State in all this?

What an amount of good, what numberless blessings could have been designed for the poor and the destitute the coming winter if this $50,000 had been collected for some noble benefaction to the poor.

It is peculiarly interesting to notice the several condemnatory editorials of the press of our City against this ballooning now, *since* this fatal result, we are glad to see the condemnation of this foolish business, but why did not the same press speak out years ago and help stop it, before this criminal exposure of life required a baptismal of blood? why wait until calamity came? for years the newspapers have all *advertised* these *Sabbath ballooning* and other shows, and *had their pay for doing so*, now that stern PUBLIC OPINION CONDEMNS, they cease—the same Journals condemn the practice they heretofore have helped to promote—however let them now make the *amends honorable* and help put down all such shows.

THE VENERABLE M. P. WILDER.

We have in our communications from this noble and widely honored Patriarch and head of the Horticulture of America, received several pamphlets, among them his Address read before the "American Pomological Society" at its recent 17th session at Rochester, N. Y., and also his Address before the Massachusetts Hort. Society at Boston, at the Semi-Centennial Anniversary of that noble and very prosperous Society, Sept. 12th this year.

These admirable Addresses coming from this devoted friend of these great interests, speak in a voice from one of great age and experience that carries great weight, and we know will be read with a deep interest by his many friends here and in all other parts of the world, where he is known and honored.

We publish his introductory and closing words at *Rochester*, and shall soon publish more from both these valuable Addresses.

Those who are now establishing a State Horticultural Society here, will do well to counsel by the teachings of this venerable head of this great science:

Members and Delegates of the American Pomological Society,—Gentlemen:—

Having held the office of President of this Association during its whole life, with the exception of two years out of thirty-one, I regret exceedingly my inability to be present, and by your continued favor, to occupy the chair, as I expected to do, at Rochester. But Providence seems to indicate, by the late accident which has impaired my physical ability, that it is not my duty yet to risk a journey so far from home.

For twenty-nine years you have elected me as your President, and with an unanimity far beyond my merit. I most sincerely desire ever to cherish a profound sense of gratitude and thankfulness for the honor conferred, and the confidence reposed in me. My thanks are especially due for the cordial and vigorous support I have received from my official associates. It was my intention to be with you at this meeting and to extend to you an invitation to hold our next session in the city of Boston, when and where I should lay down the high honors which you have so long conferred on me. But my physicians advise me not to take so long a journey and incur the labor which would necessarily fall upon me.

RESIGNATION.

With thanks which no language can express, for the repeated honors conferred on me, and for your kind cooperation and support during this long period of official service, and with the assurance that I have no higher ambition than to be associated with you in a cause so honorable, and to be a co-worker while life shall last, I deem it, under present circumstances, my duty to tender my resignation as President of the Society. Under the belief, so often expressed by you, that my official services were important to the establishment and success of our Society, I have willingly conformed to your wishes, and should my health be fully restored, which I fondly hope will be the case, I will cheerfully respond to any call you may make on me. I beg to assure you that whatever my relations may be to you, I shall ever entertain a lively sense of gratitude to those with whom I have been associated and an ardent desire and ambition to promote the welfare and renown of our Society. If honor, distinction, and respect have been attached to the office, I have had them lavished on me; if toil, anxiety, and expense, then I claim to have borne my full share.

VALUE AND IMPORTANCE OF OUR SOCIETY.

I have often spoken of the salutary influence of our association. The more I reflect upon its operations the more am I impressed with its usefulness, and with the importance of perpetuating it through coming time. "The idea of voluntary combinations and associations," said Mr. Webster, "is the great modern engine of improvement." This power of association, bringing in contact man with man, and mind with mind, and the information acquired thereby, is of more value than the same information derived from books. It is this centralization of experience which has produced by our Society and similar associations the great improvement which we have witnessed in our American fruits. Who can predict what the future influences of our own Society may be when our vast unoccupied territory, suited to the cultivation of fruits, shall be occupied for that purpose. Let us therefore discharge the duties of our day and generation, so that our children may have cause to bless our memories, as we now cherish the names of those who laid the foundations of our Society, and have brought it forward to its present flourishing condition.

Our work is of great magnitude, embracing an entire continent, opening up to us new resources and demands, and calling for constant and untiring energy and enterprise. The importance and usefulness of our association is seen in a review of its work for twenty-seven years, which I gave in my last biennial address.

We have made great advances during the thirty-one years of our history, and experience from the best sources is flowing in to us every day. The spirit of investigation is now thoroughly alive, and we have opportunities for improvement such as have never been afforded to any other Pomological Association on the globe. Our resources are abundant, and so kindly does nature cooperate with us under the benign influence of man, that he can mould her almost to his will, and make of the rough and acrid wilding a most beautiful and delicious fruit, and thus we can go on producing indefinitely as fine varieties as we have ever seen.

When we review what has already been accomplished, in a country so varied in soil and climate, who can set bounds to our progress during the remainder of this century, where, by the exchange of personal experience the representatives from the different parts of our continent become kindly affiliated and united in the bonds of friendship and reciprocal regard, and by promoting the cause in which we are engaged we have learned to respect each other.

All this has been accomplished without financial aid, except that received from membership, and occasional sums from individuals to meet deficiences. In this connection I desire to state that I have paid over to the treasurer three hundred and twenty-seven dollars and twenty-nine cents, being the balance in my hands of the Downing Monument Fund, with interest to this date. This has been done in accordance with the consent of the heirs of Mr. Downing and his administrator, and the Committee who had in charge the erection of the monument.

But the time has now come when means are wanting to constitute a fund to insure the publication of proceedings in future. I take the liberty of suggesting the propriety of soliciting from all life members who have paid but ten dollars, to forward to the treasurer ten dollars more each, and make their contributions the same as are required now for life membership. And permit me to add that no better appropriation of money can be made, and I trust that when our friends are making donations and bequests for benevolent objects, they will remember the American Pomological Society.

* * * * * *

CONCLUSION.

In conclusion, with a heart full of gratitude for the many honors you have conferred upon me as your President, I now lay down the robes of office with which you have clothed me for twenty-nine years, feeling assured that though we may die, our institution shall live, and as time advances, others will take it up and foster it with the same love that we have entertained for it.

Cherish, then, the friendships and kind sympathies which have existed between us. The cause you seek to promote is the cause of civilization and humanity. A few more years and those who now occupy these seats will have closed their labors on earth, but the same earth will bring forth its myriads of fruits and flowers, and yield its bounteous harvests for the service of those who may come after us.

A few more days, a few more months, and he who now addresses you will have joined the great congregation of the dead, and have passed beyond the horizon of life, but his spirit shall continue to render thanks to the Giver of all good for the blessings which have flowed from the influence of our association. May it live on and on, and be perpetuated as a benefactor of mankind. And what more dutiful or grateful service can we render to our kindred or our country than to hand down to posterity the choicest fruits we have been enabled to produce for their use. May the success of the past cheer and stimulate you to greater exertions in the future, and although you may not live to reap the rich harvest which you are now planting, your children and your children's children shall rejoice in the result of your labor long after you shall have passed over the river to those celestial fields,

Where the verdure of spring time forever shall reign,
And the perfume of flowers float over the bright plain,
Where the moonlight of summer and autumn shall blend,
In a harvest of fruits that never shall end.

COMPLIMENTING CALIFORNIA.

[To our great surprise, we find a very curious letter in the *Laws of Life*, said to come from California as descriptive of our State, climate, products, etc., we make the following extract to show its character.—ED. F.]

We have visited one of the finest fruit ranches in the valley, where they have all the fruits and flowers beautifully watered, and cultivated. Grapes are looking finely, but we hope every vine in the valley will die. 'Tis fearful and awful, the destruction to health, morals and happiness this cursed wine-making brings. They have on this ranch great numbers and varieties of fancy fowls, and they make money almost wickedly fast out of them. The eggs of the bronze turkey, an immense imported bird, sell for $10 a dozen, and the white Pekin duck, nearly as large as a goose, furnishes eggs that sell for $6, and fancy hens in proportion. One day we took an old fisherman and his boat and went across to the head of the bay to gather sea weed and the beautiful, pearly, abronia shells; but when we found the tide out, shells and moss were forgotten, and we went to work in good earnest and dug out 300 clams and took them to the hotel and gave them to the Chinaman to cook, and he made a soup of them that was soup. It was great fun to dig them out with our hands and sticks.

[We would like to enquire of the above writer if a good dish of grapes is not as luscious and healthy as a bowl of clam soup?—all grape growers do not make *wine*, and if they did, is not a *glutton* on clams as objectionable as a wine drinker? three hundred clams for two!—ED. F.

DODGING SLANDER.—An old woman was asked what she thought of one of her neighbors of the name of Jones, and with a knowing look she replied "Why, I don't like to say anything about my neighbors, but, as to Mr. Jones, sometimes I think, and then again I don't know; but after all I rather guess he'll turn out to be a good deal such a sort of a man as I take him to be!"

Agriculture.

Plow deep, while sluggards sleep,
And you shall have GRAIN to sell and to keep.

HOW WE SAVED THE OLD FARM.

CHAPTER XI.

Our boarders remained with us three weeks, and we became very well acquainted with them during their stay, little Jessie in particular growing very dear to us.

Henry Farnham had grown quite brown and strong-looking while he was with us, and George Benson had begun to seem more like his brother. He had shaken off his indifference or laziness, and laughed oftener and heartier than when he first came, and seemed to take more interest in the field sports. Jake came for them every morning, sometimes long before daylight, for a fishing excursion, in which case they returned to breakfast, Jake always having a luncheon in his game-bag, which, must be eaten, or it would spoil, he said, when invited to share our breakfast. When he came to the house at an hour when we were likely to be up, he always had something for Jessie—a flower, a curious plant, an Indian's arrow-head, or any little thing that he thought would please her fancy, and she always repaid him with a kiss. I think Jake went without his pipe and tobacco many a morning until after he had seen Jessie, that his lips might be clean to receive her kiss.

One day, when they had been fishing in the morning and a shower had obliged them to remain at the house after breakfast, Jake was sitting by the fire with Jessie on his knee, and George Benson was boasting of a good shot which he made at some bird the day before, when Jake looked up with indignation, and suddenly asked,—

"I suppose you didn't know that when you shot a bird that you didn't want to eat, excepting a crow or a hawk, you killed a man at the same shot, did you?"

"I certainly did not," laughed George; "and I did not know that you had any such superstitions, either, or I would not have shot it."

I suppose we all looked at Jake in some surprise, for he quickly answered:—

"It isn't any superstition as you call it, but can be figured right out accordin' to Daboll and Pike, and I'll tell you how I look at it. You see every time Clarence here, or any other farmer, plants or sows a seed, there is a bug, or a worm, or some peaky creepin', crawlin' thing stands ready to eat up that seed, or what grows from it, and these little birds are ready to eat up those same bugs and things, and if you had let this one live, he would have ate about a hundred of them to-day, and as many more to-morrow, and a heap of them before he died. But those bugs will eat up the crops, and some man or woman or little girl, like this I have on my lap, will starve to death for lack of what the bugs and worms have eaten up. And as near as I can figure it up, one does starve to death for every sich bird that is shot just for the fun of it, and so I make it a rule never to shoot any birds that I don't want to carry home, unless it's a hawk or a crow, that does more hurt than good."

"Thank you, Jake; I will adopt the same rule in future, and your farm assistants are safe for all me. I am afraid that if I do not I may wish some time that I had the crop that the worms have eaten up," and George laughed, but with a look that assured us that he would keep the promise so readily given.

"Well, said Jake, "stranger things than that have happened. It ain't the poor altogether that starves to death, nor riches that will save a man from it. I used to know a man that was about as rich as any in these parts, and as mean, too, and when the news came about so many starving in Ireland, and somebody wanted him to give something to help buy a cargo of flour to send over to them, he said, let them starve; he wasn't afraid that he should starve if they did. But he did starve in less than a year; had a cancer or something in his throat, and couldn't swallow a mouthful for days before he died. He offered the doctors all he was worth if they would only contrive some way to feed him, but they couldn't do nothing for him. I don't know as his refusing to give that time had anything to do with it; but I don't reckon that he felt any better when he thought about refusing to help them that was as hungry as he was."

"I could hardly have pitied him," said Mrs. Benson.

"You think now that you wouldn't, maybe; but I've mostly noticed that a man's worst enemy can't stand by and see him sufferin' sich torment as that a great while without being willin' to help him out of it some way."

Soon the time came for our boarders to go away, and they left, first getting mother to promise that she would take them again next year, if they should decide to come.

CHAPTER XII.

Just before they left, Bill came on to begin the shed, and he and Jake were taken into consultation, the result of which was an enlarging of the original plan for a shed, until it extended around the south and east sides of a barn, eighteen feet wide. The posts were set in the ground, as were the hen-house posts, but the lower ends were first burnt in a fire which was built in the yard, until they were thoroughly charred some ways above the part which would be set in the ground. This was to keep them from decaying, as Jake said such burnt sticks never rotted. Then Mike was put to drawing more slabs and boards, as Clarence had not got enough, after which he and Jake went to drawing sand to cover the ground under the shed a foot deep or more. The sides were covered, and lined with slabs and stuff, with meadow hay; the roof and the mangers for the cows were made of good boards, those which were in the old barn being taken out and put in as far as they would go. The windows, which were left of those which were bought of Bill in the spring, were sufficient for the new cow stables, to add it to the satisfaction of Clarence, who was an enthusiast in regard to sunlight. There were fourteen half-windows, all so arranged as to be easily taken out, or swung up against the wall. This made it necessary to use boards around where the windows were put in, but the space between them was lined.

As I so minutely described the building of the hennery, I need not tell how the shed was contrived, but I will describe its appearance after it was finished. Passing from out the barn floor at the south side through the old cow stables near the centre, you entered an alley-way about five feet wide, in front of the cows' heads. At the right, in the south-west corner, was the horse stable, with a chance to put the feed into the mangers from the alley-way. There were stalls for three horses, they standing with their heads towards the cows. These stalls, and a place to hang harnesses, occupied twelve feet of the west end of the shed; there was three feet for a passage-way in front of their heads, and by the side of the cows, into the cow stables, or turning to the right by the harnesses, you could pass through the horse-stable door out of the barn. Going from the entrance to the left, you would pass in front of the cows to the east end. There were mangers there for five cows, with their heads to the north. Then, upon the east side were mangers for nine cows and oxen, and an alley-way in front of them all the way, five feet wide, and an entrance again into the barn floor at the east end of it. In the north-east corner was a shed for wagons and sleds, which had always stood out of doors before. This shed opened to the north. Doors opened from both cow stables into the yard upon the south side. Thus the feed, which was mixed on the barn floor, was carried out one way to the horse and five cows, and the other way to the oxen and the rest of the cows.

This proved a more expensive job than Clarence had anticipated, as it took nearly three thousand feet of boards, besides some of those which he had left from the draining; but he was quite well pleased with it, although he found it not likely to be as warm as the old stable was. But as a help to that, slabs were put upon the timbers above the cows and the hog hay was moved in there from the stack in the yard. This made it much warmer, besides getting the hay under cover. When it was finished the boys went after the new cows and brought them home.

Mother and I carried the boys over in the wagon, and mother had the pleasure of paying the interest upon that mortgage, while Clarence paid for the cows. He had also paid all the expenses of the new shed, and, as many of the pigs were promised, and he had yet many potatoes and cabbages and nearly all of his turnips left, he hoped to be able soon to pay for the phosphate which had been put upon the rye field. After the shed was finished the rest of the harvesting was finished as rapidly as it might be, the turnips being left for the last, excepting as the man came after them. The cabbage and turnip leaves were all fed to the cows, and I think they gave more milk and more butter than any one else's cows in the neighborhood, and as we had now eight cows we kept up our supply of butter to the store.

The rye was also sowed in the pasture, as the squire had advised, and the season's work was over, and the question of how we were to live practically settled when we sat down to our Thanksgiving dinner, which we were able to eat with thankful hearts. We had prospered beyond our most sanguine expectations, although we had spent our money almost as freely and as fast as we had taken it in. The two acres in potatoes had yielded over two hundred bushels of fine potatoes; the three acres in corn had given us two hundred and forty baskets of good corn, nearly as much as had been on the eight acres the year before, but there was not near as much pig-corn.

[TO BE CONTINUED.]

WHEAT AND CORN.

The production of wheat and corn in the United States for the year 1878, as given in the reports issued by the Department of Agriculture, was as follows:

Wheat, bushels	420,122,100
Corn, bushels	1,342,559,000
Total	1,762,680,000

Assuming the present population of the United States to be 45,000,000, this gives an average on forty bushels to every man, woman, and child in the country. This is equivalent to 2,660 pounds per annum for each—500 pounds wheat and 2,100 pounds corn. It is equal to a daily consumption of over seven pounds of bread for each. Only 145,122,000 bushels wheat, and 87,192,100 bushels corn of this immense crop was exported last year—but little over one-seventh of the whole amount. Of the remainder much was used in the manufacture of whisky, starch, etc., and in the fattening of hogs. Even all this, and consumption and seed reckoned besides, leaves so much of the production unaccounted for, that it must be concluded that the greater part was wasted.

Controlling Vicious Horses.

A new and very simple method of training vicious horses was exhibited in West Philadelphia recently, and the manner in which some of the wildest horses were subdued was astonishing. The first trial was that of a kicking or "bucking" mare, which her owner said had allowed no rider on her back for a period of at least five years. She became tame and gentle in about as many minutes, and allowed herself to be ridden about without a sign of her former wildness. The means by which the result was accomplished of a piece of light rope, which was passed around the front jaw of the mare, just above the upper teeth, crossed in her mouth and thence secured back of her nose. It was claimed that no horse will kick or jump when thus secured, and that a "bucking horse, after receiving the treatment a few times, will abandon his vicious way forever. A very simple method was also shown by which a kicking horse could be shod. It consisted in connecting the animal's head and tail by means of a rope fastened to the tail and then to the bit, and drawn tightly enough to incline the horse's head to one side. This, it is claimed, makes it absolutely impossible for the horse to kick on the side of the rope. At the same exhibition a horse, which for many years had to be [illegible] to be shod, suffered the blacksmith to [illegible] on him without attempting to kick [illegible] in the manner described.—*Ledger*.

Do Hogs Pay?—A farmer making enquiries at an editor to learn if the raising of hogs paid their cost. Said the editor, "*Hogs don't pay*, they take the papers several years, and then have their postmaster send it back marked 'Refused.'" So says the *Boston Post*.

Two-thirds of England is owned by 10,200 persons, two-thirds of Scotland by 330 persons, and two-thirds of Ireland by 1,942 persons.

PAY YOUR DEBTS AT ONCE.

For years thousands of our farmers have been harassed by heavy burdens of indebtedness, the interest on which alone has been a grievious annual tax upon their resources. Not a few have been forced to abandon to their creditors the farms in the improvement of which many of the best years of their lives were laboriously expended. Thousands of others are still threatened with a like disaster. Crops nearly everywhere this year are good. Owing to a very unusually wide extent of misfortune to foreign farmers, the prices for farm products here leave a fair margin of profit to those who have raised them. Farmers, therefore, will have more money this year than they have been accustomed to handle lately—probably more than they will handle for some time to come, for we can hardly expect a repetition of this year's disasters to foreign crops, and it may be our own turn to experience such a misfortune next year.

In view, therefore, of the oppression of indebtedness in the past, and of the anxiety and sorrow it has brought upon so many homesteads throughout the country, what better use can be made of whatever money each indebted farmer can spare from the proceeds of his harvest this year, than to promptly employ it to free himself from the load that for years has been an affliction and a menace to himself and those dear to him?

Earnestly, therefore, do we urge all our friends who may be in debt to get rid of it at once. We have lately said a good deal about the evils of getting into debt; much more can be said about the blessings of getting out of it. Now is the acceptable time for doing so. However urgent may be, in your opinion, the desirability of expending your money in other ways, there is none which will bring you and yours more lasting satisfaction and advantage than by using it to clear your homestead of indebtedness with its persistent tax and trouble. You can do so now, wholly or in part. Providence alone knows when you will be able to do so if this opportunity passes by unimproved.

[We clip the above most admirable counsel from our excellent cotemporary the *Rural New Yorker*, and we most earnestly hope the farmers of this State and coast will give this good counsel their willing assent, and go to work heartily to practice it.—ED. F.]

AN INFLUX OF LABOR.

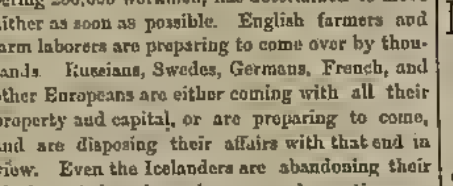
A very tidal wave of immigration bids fair to overwhelm this country with laborers. The recent report of the condition of labor in European countries made by our State Department has shown that this country is a paradise for the workingman, who here enjoys, not only a measure of comfort, but one of liberty and freedom, unapproached elsewhere. The knowledge of this gained, not only from widely published statements to that effect, but from many years' experience of friends, relatives and neighbors who have found a home here, has created wonderful excitement abroad. The English Miners' Association, numbering 200,000 workmen, has determined to move hither as soon as possible. English farmers and farm laborers are preparing to come over by thousands. Russians, Swedes, Germans, French, and other Europeans are either coming with all their property and capital, or are preparing to come, and are disposing their affairs with that end in view. Even the Icelanders are abandoning their glaciers, their rocks, volcanoes and sporting geysers, and are coming here where they can still have all these with other more desirable comforts in greater plenty than in their native home. What will be the end of it? Who can forecast the result of this gathering of the nations on this continent? Doubtless as what has occurred in this way heretofore has tended to develop the best interest of the country, so hereafter, civil freedom, material comfort, and ease of position, which every inhabitant may enjoy, will, in the end, make good citizens of these foreigners and the nation will be benefitted.

Live Stock Sales.

There is now being held continuous sales of very choice stock, of horses, cattle, sheep and swine, and in large quantities.

Now is the time too, for our farmers to secure very choice stock for their farms, and if they are wise and have *cash* on hand, now is their time to invest in a kind of stock that will be better than any other stock for the farmer.

We hope our farmers will be wide awake in these matters and improve every opportunity to increase the value of their farm stock, and thus add to the value of their general property.



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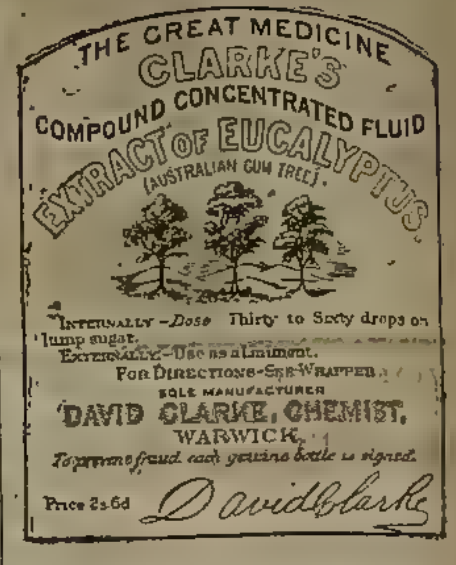

We have appointed for the sale of this Medicine advertised in our columns the following

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Farmers' Accounts.

WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer.

A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to all—handsomely got up and finely bound. Price, $2.50, worth ten times the cost. 45:21

PATENTS

In connection with the publication of the *Scientific American*, we continue to act as Solicitors for Patents, Caveats, Trade-Marks, Copyrights, etc., for the United States, Canada, Cuba, England, France, Germany, etc. In this line of business we have had *thirty-three years' experience*.

Patents obtained through us are noticed in the *Scientific American*. This large and splendidly illustrated weekly paper shows the current progress of Science, is very interesting, and has an enormous circulation. Subscriptions $3.20 a year, postpaid; single copies 10 cents. Sold at all Book-stores and News-offices.

Can I Obtain a Patent? The quickest and best way to obtain a satisfactory answer, without expense, is to write to us (Munn & Co.), describing the invention with a small sketch. All we need is to get the idea. We will immediately answer, and give the necessary instructions. For this advice we make *no charge*.

We also send *free* our Hand Book about the Patent Laws, Patents, Caveats, Trade-Marks, their costs, and how procured, with hints for obtaining Patents on inventions. Address MUNN & CO., Publishers of the *Scientific American*, 37 Park Row, New York.

Peterson's
COUNTERFEIT DETECTOR
—AND—
National Bank Note List.

THIS CELEBRATED PUBLICATION OF THIRTY Years standing, one of the best [illegible] known, published by [illegible], Philadelphia.

Subscription price, [illegible] $1.50 per year
Semi-monthly [illegible] 3.00 per year

Can be had at the Reading Room of THE CALIFORNIA FARMER, 320 Clay Street, San Francisco.

Wisely insure at the New Zealand Insurance Co.'s office, 307 California Street.

Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

Eastern Correspondence.

LARGE STRAWBERRIES.

VARIOUS FORMS OF THE MAMMOTH VARIETIES.

SANGERTIES-ON-HUDSON, N. Y. Sep. 27, 1879.

COL. WARREN—*Dear Sir:*

As some of the new varieties of strawberries are very different from any of the older kinds, it is perhaps not to be wondered at that their form and appearance is not understood. From a letter recently received from one of my correspondents, I am led to believe that there is a very general misapprehension in regard to the form of the very largest specimens. Having learned that specimens of some of the varieties had been grown measuring a foot and over in circumference, it perhaps very naturally occurred to my correspondents that such a berry must be of the size of a good sized orange. As an explanation I will state that all strawberries without any exceptions, that measure over eight inches in circumference, are always flattened or cox-combed shaped. Thus, though when placed on edge they may appear at a distance of the size of apples or oranges, yet upon nearer approach it will be seen that they are only an inch and a half in diameter from one flattened side to the other. They are immense for strawberries, and are greatly admired by those who see them, but as they are so different in shape from oranges, it is hardly fair to the berries to compare them to that fruit. It should also be understand that these extra sized berries are the exception and not the rule, and that though scores of berries may be obtained from some kinds, measuring over six inches around, yet it is only occasionally that a nine or twelve inch berry is grown.

The *Glendale*—This is a new variety that is now attracting considerable attention, and promises to become quite popular. During the past summer it has continued to show that the first impressions formed in regard to its value were in the main correct. Its good shipping qualities render it of value for market purposes, while for home use it is equally desirable, as berries that stand transportation well are among the best for keeping fresh after being picked. The berries are sometimes quite large, and of a bright red color to the centre, the plants are vigorous growers, have perfect blossoms, and are very productive. Their habit of ripening their berries late in the season will be appreciated by professional fruit-growers, as well as by those who like to prolong the length of the strawberry season for their own enjoyment.

Hervey Davis.—This new variety is being more appreciated as it becomes better known. There are but few of the sixty or seventy kinds upon my grounds that bear such delicious berries, and I am inclined to believe that none of them surpass it. The fruit is of good size, and of a rich red color.

Crystal City.—The unusually early habits of ripening of this new berry is bringing it very rapidly into favor. It is called the "earliest of the earlies," and upon my grounds was the first to ripen this year. As the supply of genuine plants in this country is but limited as yet, there will probably be many spurious plants palmed off on unsuspecting purchasers by our principal dealers this fall and coming spring. If genuine plants are obtained, the buyer will find this variety to be quite an acquisition.

Endicott No 2, *Wilding Seedling*, *Laurel Leaf*, and *General Sherman* are among some of the other new varieties of merit, but cannot be described at present.

There is only one month in the year, when the ground is not frozen, in which the strawberry may not be planted out, that month is June, but it is debarred more because the plants are not suitable for transplanting, than because they will not grow. At the North the month of September is usually better than October or November, while south of Virginia or Kentucky the reverse is the case. However I was examining to-day quite a plot that I had planted last fall during the last week in October, and they appear to-day as strong and vigorous as any that were planted a month earlier. During the cool autumn days plants can be sent in safety to great distances, as persons in California and others of the Pacific States who have received plants from me through the mails, report that they reach them in much better condition at this time, than if sent during the warm days of summer. When pot-grown plants are used, the planting may be performed even in November or December, up to the time when the ground becomes frozen, at about that time all strawberry plants should be covered, placing upon them two inches of soil, if plants are small and rows narrow, or on broader rows the same thickness of straw, coarse manure, pine needles or marsh hay, removing it again from over the plants early in spring. R. M. HAZIES.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the *information of their Wants.*

Directions for Planting Tree Seeds.

All nut and hard shell seeds should be soaked in warm water, milk and water is better, and hot too, if convenient, soaked until the rind is softened, then placed in the earth as follows:

All seed of choice nut trees, or of ornamental and shade trees do better if planted in good sized boxes, and when 8 to 10 or 12 inches high to be transplanted where they are to grow.

THE SOIL AND PREPARATION.

Take of good rich loam (virgin soil) one-third, one-third sand, one-third very old decomposed manure, mix them thoroughly, then prepare boxes with holes in the bottom for drainage, fill these boxes two-thirds full of this compost, and plant the seeds, each in separate boxes, and in thickness according to the size of the seed, then sift over them good sand and loam only, about 1½ to 2 inches, and over this cover about an inch of sawdust, then sprinkle with a fine syringe or water pot, the sawdust keeps the surface from baking. Keep the boxes in a light and cool place, free from the sun (which dries the surface) till the seeds are up and show 2 or 3 leaves, then bring gradually into the sun and air.

A Fortune in Fruit Growing.

We desire to call particular attention to the "Splendid Estate" advertised in our Columns this week for sale.

We venture to say without the least contradiction that there has never been offered an Estate for sale in California more beautifully located, nor so well prepared at hand, for making a FORTUNE, as the Estate now offered.

We know the Estate well, and as the advertiser says to any *one* person of good ability and a knowledge of orcharding and vineyarding, or to a company of three or four in joint management, men that can all mutually agree to take hold in earnest—this Estate is richly worth to-day SIXTY THOUSAND DOLLARS, it could be easily earned and won inside of *five years*, from the actual profits made, see advertisement.

DR. FOOTE'S HEALTH MONTHLY has been published three years and has established a reputation as a health journal. Thousands of papers quote and their readers appreciate its articles. And yet the HEALTH MONTHLY with its sixteen royal octavo pages is offered at only FIFTY CENTS per year. Send for sample copy. It will be mailed free. DR. E. B. FOOTE, author of Medical Common Sense, etc., is its Senior Editor, assisted by DR. E. B. FOOTE, JR., who is also in practice with his father. All the readers of Dr. Foote's publications can consult the Doctor free upon any subject relating to health or disease. A cheap popular edition of Plain Home Talk embracing Medical Common Sense is sent by mail, postage prepaid, for $1.50. You better enclose a $2.00 postal order for both the book and the HEALTH MONTHLY. Address MURRAY HILL PUBLISHING COMPANY, 129 East 28th Street, New York City.

TREES
FRUIT AND ORNAMENTAL
FOR THE MILLION
The most complete assortment in the West. A particularly fine lot of Standard Pear Trees. Also a superb lot of as healthy Peach Trees as were ever grown. Full stock of *Apple, Plum, Pear, Peach, Cherry, Quince*, etc. A select lot of *Grapes, Raspberries, Gooseberries, Currants, Strawberries* etc. An immense stock of Greenhouse Plants. *Trade List and Greenhouse and Bulb Catalogues free.* Correspondence solicited. 26th Year. 400 Acres. 15 Greenhouses.
STORRS, HARRISON & CO.
PAINESVILLE, LAKE CO., OHIO.
48:15 o&w

PLANTS GROWN
for transplanting, and Fruit for the market.
100 Acres planted with Berries 100
Varieties of Selected Fruits
See New Catalogue for what sorts to plant. *Sent free.*
JOHN S. COLLINS, Moorestown, N. Jersey.
49:17

$1 A BOTTLE
—FOR—
CLARKE'S EUCALYPTUS OIL,
Sure Cure for Rheumatism.
For Sale at 320 Clay Street.

MILK, WINE, CIDER
All kept sweet indefinitely by arresting fermentation. Water—the muddiest—made pure and clear as crystal. Enough for ten barrels sent on receipt of "One Dollar." Agents wanted. Address ELSOM'S LABRATORY, Forestville, Chautauque County, N. Y. 49:13

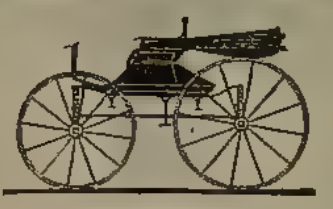
FAMILY FRUIT DRYER.
A VERY ECONOMICAL FRUIT DRYER AND ONE that can be used upon the coolest range in the family with very little care or attention easily managed, doing the work perfectly, the best and cheapest Dryer known, can be seen at the office of the CALIFORNIA FARMER, 320 Clay Street.

Very Rare Australian Seeds.
WE HAVE RECENTLY RECEIVED FROM AUSTRALIA large collections of the new varieties of the Eucalypti never before imported here; also, very rare TREE and SHRUB SEEDS, which are most desirable to introduce upon the Pacific Coast.
In order to scatter them widely, and thus have them extensively grown and more widely disseminated. We shall put them up into collections of *ten parcels each*, and mail them to order, at $5 each collection. Address
WARREN & CO.,
320 Clay Street, - - - San Francisco.

Strawberry Plants for Sale
TWENTY VARIETIES.
The Rarest and Best.
PRODUCING BERRIES THIS SEASON from the size of a Walnut to that of a Hen's egg.
The varieties offered are new and choice and immediately productive.
Directions for their culture given to all purchasers. For sale at
Farmer Office.

50 FINE MIXED CARDS, with name, 10c. Agents wanted. Outfits 10c. Mention this paper, and address, JONES & MAGINNIS, Sandwich, Ill. 49:18

B. GRAVE & CO.,
CARRIAGE MANUFACTORY.
The only Builders of the
OPPENHEIM DOUBLE BUGGY,
—AND—
ROCKAWAY COMBINED.



SINGLE.

DOUBLE.
421 and 423 PACIFIC STREET,
SAN FRANCISCO. 49:11

S. P. TAYLOR & CO.
416 CLAY ST.,
Between Sansome and Battery,
SAN FRANCISCO
MANUFACTURERS AND DEALERS IN
Printing,
Hardware,
Manilla, and
Straw Papers,
PAPER BAGS,
TWINE, ETC.
Depot of the Pioneer
—AND—
EAGLE PAPER MILLS.
49:19

BEST FRUIT DRYER.
The Best, Cheapest, and Easiest working Fruit Dryer yet invented is the
GRANGER'S
FAMILY
Fruit and Vegetable
EVAPORATOR.
APPLES DRIED IN TWO HOURS.
Needs no extra fires, as it can be used upon a Cooking Range while in use for other purposes. Dries perfectly and rapidly Apples, Pears, Peaches, Plums, Cherries, Currants, Grapes, Berries, Corn, Peas, Beans, Pumpkin, Squash, and all kinds of Herbs. Makes beautiful Jellies, Jams and Syrups. No family should be without one.
THREE SIZES—PRICES LOW.
WARREN & CO.,
AGENTS FOR THE PACIFIC COAST,
320 Clay Street, San Francisco.

THE TRALL
Hygienic Sanitarium
No. 8. ELLIS STREET,
SAN FRANCISCO.
Thermo-Electric, Steam, Hot Air and other Baths. Electricity, Swedish Movements, Health Lift, Etc.
Healthful Board and Pleasant Sunny Rooms
D. C. MOORE, M. D.,
(Late associate of Dr. Trall,)
Resident Physician and Manager.
MRS. E. D. MOORE, M. D.,
Ladies' Physician and House Superintendent.
Send for Trall Health Journal.
49:7

Remitting Money.
We desire those who Remit us Money, to send it either in Checks on our *Banks here*, or by Post Office Order, or Greenbacks.
We desire this *specially of Newspaper Agents*, or others abroad who send *their Checks* on Home Banks—this occasions delay or expense to us in collecting, while it is just as easy for them to adopt the way we point out, and send us Cash or Currency. These are our terms.
WARREN & CO., Publishers FARMER.

FRESH EUCALYPTUS SEED.
Fresh seed of the EUCALYPTUS GLOBULUS has received from Australia—VERY EXTRA QUALITY.
Also twelve New Varieties not before introduced here, but valuable kinds.
For sale at the FARMER OFFICE, 320 Clay Street.

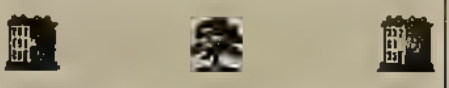
J. M. THORBURN & CO.,
15 JOHN ST.
NEW YORK.
Growers and
Importers of
GARDEN,
FLOWER,
GRASS,
— AND —
TREE SEEDS.
SOLICIT Orders for the above from the TRADE, also, *GLADIOLUS* and all other *BULBOUS ROOTS*.
44-15 Price Lists on Application.

VICK'S
ILLUSTRATED MONTHLY
MAGAZINE
Each Number contains THIRTY-TWO PAGES of reading, many fine Wood Cut Illustrations, and one COLORED PLATE. A beautiful Garden Magazine, printed on elegant paper, and full of information. In English and German. Price, $1.25 a year; Five copies $5.00.
Vick's Flower and Vegetable Garden, 50 cents in paper covers; in elegant cloth covers $1.00.
Vick's Catalogue,—300 Illustrations, only 2 cents.
Address, JAMES VICK, Rochester, N. Y.

VEGETABLE AND FLOWER SEEDS
SEEDS
WE SELL EVERYTHING FOR THE
GARDEN
Descriptive Catalogues of 175 pages sent Free
PETER HENDERSON & CO.
35 Cortlandt St., New York.
PLANTS
FLOWER AND FRUIT PLANTS
49:1

W. H. FLETCHER,
Shipping and General Commission Agent,
40 HUNTER STREET,
SYDNEY.
WILL ACT AS AGENT FOR GOODS SENT TO THE Sydney International Exhibition, and attend to sales afterwards, or otherwise as instructed.
REFERENCES.
HUGH CRAIG, Esq., 307 California Street.
MESSRS. WARREN & CO., San Francisco.
49:16

E. T. ANTHONY & CO.,
DEALERS IN ALL KINDS OF
TOBACCO
—FOR—
SHEEP WASH
PURPOSES.
THE NEW SHEEP DIP.
We invite our wool growers to call on us and examine the NEW OMAHA SHEEP DIP the best preparation yet offered—one gallon dip makes 150 gallons wash.
407 and 409 Commercial Street,
NEAR BATTERY, SAN FRANCISCO.
49:19



FARMS, RANCHES
—AND—
LANDED ESTATES FOR SALE.
Now that we have so many settlers of the BETTER CLASS coming to our State, those who have
Lands, Ranches, Farms,
—AND—
IMPROVED HOMESTEADS
Should make them known extensively, and in no way can they do it more effectually than by
Advertising in the Farmer.
WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms and Libraries in the United States.
☞ Advertisers will be wise that consult our columns. ☜
WARREN & CO.,
CALIFORNIA FARMER OFFICE.

NEW TOOTH POWDER!
The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath.
DAVID CLARKE'S
Eucalyptus Tooth Powder,
The BEST EVER COMPOUNDED and destined to supersede all others.
WARREN & CO., SOLE AGENTS,
320 CLAY STREET, S. F.

PUTNAM'S
HANDY-BOOK
SERIES.
What to Eat. A Manual for the Housekeeper giving a Bill of Fare for every day in the year. 134 pp., cloth..... 75 cts.
Till the Doctor Comes, and How to Help Him By GEORGE H. HOPE, M. D. Revised, with Additions, by a New York Physician. A popular guide in all cases of accident and sudden illness, 12mo, 90 pp., cloth..... 75 cts.
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A Manual of Etiquette. With Hints on Politeness, Good Breeding, etc. By "DAISY EYEBRIGHT" One volume, 12mo, boards ..... 50 cts
The Mother's Register. Current Notes on the Health of Children. Part I.—Boys; Part II.—Girls. "The Mother records for the Physician to interpret." From the French of Prof. J. B. FOSSAGRIVES, M. D. 12mo, cloth ..... 75 cts.
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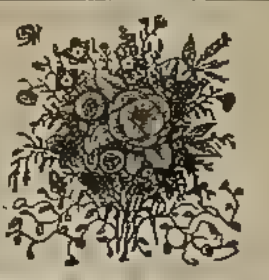
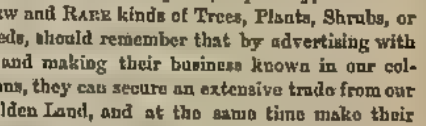
The Home: Where it Should Be, and What to Put in It. Containing Hints for the Selection of a Home, its Furniture and internal arrangements, with carefully prepared price-lists of nearly everything needed by a housekeeper, and numerous valuable suggestions for saving money and gaining comfort. By FRANK R. STOCKTON, (of *Scribner's Monthly*). 12mo, 182 pp., cloth.....$1 00.
The Mother's Work with Sick Children. By Prof. J. B. FOSSAGRIVES, M. D. Translated and edited by P. P. FOSTER, M. D. A volume full of the most practical advice and suggestions for Mothers and Nurses. 12mo, 224 pp., cloth..... 75 cts.
Manual of Thermometry. For Mothers, Nurses, Hospitals, etc., and all who have charge of the sick and of the young. By EDWARD SEARS, M. D. 12mo, cloth..... 75 cts.
Infant Diet. By A. JACOBI, M. D., Clinical Professor of Diseases of Children, College of Physicians and Surgeons, New York. Revised, enlarged and adapted to popular use by MARY PUTNAM JACOBI, M. D. 12mo, boards..... 50 cts.
How to Make a Living. By GEO. CARY EGGLESTON, author of "How to Educate Yourself." 12mo, cloth..... 75 cts.
Manual of Nursing. Prepared under the Instructions of the New York Training School for Nurses. By VICTORIA WHITE, M. D., and revised by MARY PUTNAM JACOBI, M. D. 75 cts.
All these valuable books can be had at the FARMER OFFICE, and will be mailed by us Post-Free on the receipt of the price named above.
WARREN & CO.
49:13



NURSERYMEN AND FLORISTS ABROAD.
Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurserymen, especially, who have NEW and RARE kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our JOURNAL circulates there to a large extent.
This is the season when Nurserymen should make known what they have for sale.
Warren & Co.,
PROPRIETORS CALIFORNIA FARMER.



BOOK
—AND—
JOB PRINTING.
POSTERS, CARDS,
—AND—
CIRCULARS,
PROMPT, CHEAP AND GOOD
AT THE LARGEST PRINTING HOUSE
On the Pacific Coast.
COMMERCIAL
STEAM MAMMOTH
PRINTING HOUSE.
FRANCIS, VALENTINE & CO.,
517 CLAY STREET. 44:1

TO INVENTORS AND MECHANICS.
Patents and how to obtain them. Pamphlet of 60 pages free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 31,
Washington, D. C.
48:19 tf

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, OCT. 23, 1879.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marble Building—Up Stairs.

FARMERS HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms. Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library o hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for one insertion, fifteen cents a line for any larger space. Each subsequent insertion ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞ Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

Editor's Chair.

1880.

THREE MONTHS FREE.

We invite the attention of all who desire to favor us with their names as New Subscribers for the coming year to THE CALIFORNIA FARMER for

1880,

That to meet the state of the times, and with the view of giving them the advantage of the closing year's numbers, we offer them our Journal from October 1st to the close of 1880. Making 15 months for one subscription of

FOUR DOLLARS.

Home.—We are pleased to give our readers a very agreeable and instructive letter from our esteemed Correspondent "Jenny Dare."

Some cross husbands may growl at the "nappy" letter of our good Correspondent, but good husbands won't, we have another valuable letter on file from "Jenny" for our next.

"About Stairs."—A grand suggestion about *stairs* will be appreciated by those who are daily wearied by running up and down them, for in a splendid climate like ours we can as easily have our buildings spread over the ground *level*, as did the original settlers of this Coast in their "adobe" homes, as to have them *tower* up 3, 4 and 5 stories, *one story dwellings* don't shake down as easily as the lofty ones, and there is more real comfort in them.

"Something to Avoid."—There is a most admirable lecture under this head for *young men* especially, and for old men too, read it, all of you, and understand its certain import.

"Strong Drinks."—A chapter upon this subject also of great importance to all, for health, comfort and the happiness of home.

Our Poets' Column.—We give a very excellent poem "Life a Reverie" by "Philmore," written for the Farmer, whose writings are of great merit, we also give a *gem* "To Charlotte Bronte," also written specially for the Farmer, by E. A. M. "Gethsemane" and the "Maiden and the Leaf" are both excellent.

Miscellany.—"The Gullability of Americans" in the *N. Y. Market Index and Journal* is capital, because it is so true, "One of Life's Shadows," a most excellent lesson for those husbands that plead "hard times" and squander money that the wife should enjoy with them, that was a wise and good wife.

Horticulture.—Our Correspondent from New York gives us an interesting letter on *Strawberries*, a talk about the "big berries" and there are kinds that really do grow there a foot in circumference, though everybody does not grow such because they do not give them the right culture, yet a *foot* in circumference *sure* as my name is Haines.

Agriculture.—We give another good chapter of that excellent story about "How we saved the Old Farm," every chapter is a good lesson in itself, with excellent teachings.

"Wheat and Corn Statistics" "Controlling vicious Horses," "An influx of Laborers" and "Farmers' Debts" are all useful teachings, from each good can be learned.

Our Front Page.—We give again our "Paris Letter" with important information for our *Dairymen, Stock men* and all.

"Honored Round the World," a capital song to General Grant.

ADVANCE IN PRODUCE.

Speculation will come! for our people have been waiting for just such kind of an excitement for a long time, dullness in trade, a low price for all goods, a universal inanition has made our people in all walks of life look for, hope for, pray for a *change*, and this change has now come, and the *tidal wave* of increased values of all the leading products of our country has given a new vim to all kinds of business, thus infusing the new *life blood* so long and so much needed among all classes of our people.

The advance on *Wool* has set the machinery of our manufacturers in motion again by the new and increased demand for goods, both at home abroad.

The large advance and great demand for *Iron* and *Steel* has started up new fires in the furnaces of our foundries, and given a vim to demand and sales even far beyond the capacity to supply.

The advance on *Hops* and many other products is adding more life, as this is a source of large trade both in Europe and America, and causes large exports from our side.

The large demand for our provisions of all kinds, of *live stock, packed meats, etc.*, of *Butter, Lard* and *Cheese*, all these swell the great wave of trade, and increases the great life wave of business by very large exports abroad.

But the *great rolling wave* is made by the large increased values now added to the Bread Stuffs, the great staple products of our country which have largely advanced in value, and will advance still more, for the tide sets that way now in full force, and California and all America will and must have a most wonderful revival of business by this means, already nearly Fifty Millions of the gold of Europe has come to our country since August last, and it is safe to estimate that Fifty Millions more will come in the near future, being more than one Hundred Millions before January 1880, this vast sum in favor of our country by her *Exports* must give life, health and prosperity to all branches of business if we wisely improve the flood tide now rolling to our shores.

THE GRANT OVATION.

We could fill columns with reports of the honor and many ovations that have been paid to Gen. Grant, our next President, but we shall reserve such reports and what we shall say till the furore of these tributes have ceased, and then we will give the *result*.

We have calmly watched the whole movement, and feel assured that Gen. Grant duly appreciates all that has been done, and as a true observer of men and their motives he can truly appreciate, and knows what is a true and sincere offering and what is adulation.

Gen. Grant is worthy all that can be said or done in his behalf, and while tens of thousands have shouted loudly in his praise and honor he can quickly discern the motives of men, and will always retain the gold of friendship, and cast away that which is dross.

In future numbers we shall recount his California welcome, we will only repeat what we esteem true feelings,

Hail to the chieftain that led us to battle,
Hail to the hero that conquered and won,
His march round the world has been one of triumph
In triumph we welcomed the conqueror home.

SIGNS OF IMPROVEMENT.

If the old saying is true that "straws show which way the wind blows," then some of the signs we see on our streets of repairing *stores, dwelling, etc.*, are a sign that improvement in business is near.

Every observing person as they travel through our City can note a more lively look in business places, all may not be immediately affected, but there is a more cheering outlook and all should take courage and make the heart move in the right direction, and instead of oppressing and discouraging or adding to the depression, all should give a *helping hand*, this action will soon have the effect of making sunshine in many places where now clouds rest, and soon a prosperous business will flow over the land, and a universal "Good Times" come again.

The large advance on many articles of produce now on hand will add large profits to many, this will stimulate trade of all kinds, and now is the time for all to be wise and improve every turn for the better, and by a generous helping hand to all around them, make the sunshine of prosperity gleam everywhere.

SHIPMENT OF APPLES TO AUSTRALIA.

The rapidly increasing trade of the Pacific with Australia, New Zealand and all New South Wales, the great interest now awakened by the enthusiasm shown in all Europe for the great Sydney Exhibition now in full operation and with success, the large contributions sent there from our manufacturers in the Eastern States of our agricultural implements as well as furniture, cutlery and all other goods, of preserved fruits, dried fruits, etc., has also more recently created a corresponding interest on the Pacific Slope so that the Australian Steamers now go loaded to their fullest capacity, with large shipments of Grain, Hops, preserved and dried fruits, etc.

The recent shipments of *Apples* has been very large by several shippers, but the choicest lots sent to Australia has been sent from the extensive orchards of Messrs. Sweetser and De Long from the Novata Ranch, Marin county, who are the largest shippers and whose fruits have won for them a high reputation, not only for choice fruits but for the most excellent manner in which they are put up.

From the Novata Ranch too is sent out the purest and best cider and vinegar made in this State, the trade in these articles are really immense.

The choicest preserved fruits, jellies, jams, etc., are shipped largely to Australia now, by the several packers of fruits here, Messrs. Cutting & Co., Sol. Wagenheim & Co., C. J. King of Wm. & Co., and the San Jose Fruit Packing Co., from these all, immense quantities are being constantly exported, and thus the Australian trade is largely benefiting all our industries.

AGRICULTURAL FAIRS OF 1879.

The season of our fairs is now about over, a few more down south and their story for our State will have been written, and they will be as the *things of the past*.

Whoever has carefully observed the records of all our fairs, especially our "State Fair," and all our "County Fairs," must certainly have noticed that after a few introductory words like these:—

The fair at ——— has opened with great prospects of success, the goods at the pavilion are not yet in place, but by to-morrow or next day things will be better. The races are well attended, crowds of people *are there*, it will be the largest race show ever known, and a *great interest* is felt in the *races*, we are having a lively time.

The agricultural fairs of this State were originally established to promote *agriculture, mechanical industries, manufactures*, and *home interests*, and to this end our State like other States has contributed its many thousands of dollars annually in the years that are past, and a goodly portion of the good intended by such appropriations has been lost to the State by reason of the evils that have been connected with our fairs of horse racing and outside shows, attracting crowds of gamblers and idlers, that have been a disgrace to our State and ruinous to the quiet, order, peace, and the prosperous pursuits of a legitimate Agricultural Fair.

This evil has been so great that the New Constitution forbids any appropriation to these great interests in future—thus condemning their management and results.

We are glad to know that a spirit of inquiry and reform is abroad, and the Grangers now see that changes must be made, and the management and control of our fairs must hereafter be in the hands of the Real, True and Practical Farmers, before the good designed by fairs can be realized.

We have the circular of the Grangers before us to that effect and hope its very laudable efforts and purposes may be carried out to their full extent—President La Rue, President of the State Agricultural Society, is Chairman in the circular received asking for reform.

We believe we shall be sustained by the facts that have occurred, that the fairs this year were not an evidence of progress, and while there were exhibits at many fairs worthy of special note, there was not that earnest interest nor full display that was hoped for or expected—many of the articles in the various pavilions were such as had been seen there for years, and now only placed there to "fill up"—and many of the various wares and merchandise exhibited, were there only as an advertisement, and did not show any progress in in the things exhibited.

This is deeply to be regretted in a State like ours and in districts capable of making each one of them *grand displays* in every branch of art, science and practical agriculture, horticulture and floriculture.

We appeal to all who desire the great and true interests of our State to prosper, to unite and help make the needed changes in these important movements.

STATE HORTICULTURAL SOCIETY.

There has been several meetings of the friends of horticulture to make an effort to establish a "State Horticultural Society," and a public meeting has been called for the 25th of this month, for the purpose of organization of said society, and it is to be hoped these efforts may be crowned with success.

To make such a society a permanent and grand success, and to have the institution one that shall win the public interest and secure the public favor and receive the public support and aid, the leading citizens of San Francisco should be enlisted in its favor, merchants, capitalists, manufacturers, for all such have parks and gardens, and their aid and co-operation, their counsels in the organization of such is as essentially necessary as blood to the human body, for means are wanted to build up and sustain such a society, the membership of a few florists here and there will not do it, by such co-operators alone, no society could live or be sustained, the past experience, the formation, sickly life and death of several societies of the kind is proof of what we say, we want prominent citizens to take part in the organization, to be the officers, counsellors, and friends to aid it, to be contributors and give their presence at the monthly exhibitions, for the mere action of florists alone can never make a prosperous society, there is not enough of the spirit of union for this as past years show, and the late floral exhibit at the Pavilion proves, when only three or four or half a dozen at most took any interest, and these principally to win the premiums offered, and not for a love of the science.

A long life's experience in watching and carefully noting the organization, and the rise and fall of many societies of this kind has taught us this great and important lesson in all such associations.

"In union there is strength,"

And a house divided against itself cannot stand—and until gardeners and florists shall abjure all personal and selfish feelings, and be ready to accord to every brother worker his full credit and meed of praise—no society can live and be prosperous.

We would gladly hope for a prosperous society, though we thus speak.

Gen. Grant is Sond.—We are glad to record all the good things we can of Gen. Grant, but we must not sing him to death, nor march him nor bore him to death now, for we want him for our next President as he assuredly will be if his life is spared.

"Is Life Worth Living?" is the title of a book lately published in London by William Hurrell Mallock: a pertinent query in that connection would be "Is Death Worth Dying?"

Laid Over.—We are obliged to defer notice of books and catalogues, letters, etc., received till our next, of which we have a table full—this to give place to the articles in type before their coming.

PRESIDENT WILDER.

We give a part of President Wilder's excellent address at Rochester, to which we call a special attention. His words and teachings are those of a sage, and we should heed them, to President Wilder more than any other man in our country do we attribute the great success and prosperity, and the high standing and good influences of the "American Pomological Society," and the "Massachusetts Horticultural Society," President Wilder always gave to these institutions his great earnest enthusiasm, and drew around them the best men and best work for them by his great magnetic power.

The world owes a great debt of gratitude to President Wilder for what he has done for the cause of Agriculture, Horticulture and Floriculture, for by his own steady labor and influence he has given to the world richer and more luscious fruits, more fragrant and brighter flowers, and caused tons of thousands of farms to become more productive by his earnest, wise, and faithful teachings, that have fallen upon good minds like good seed upon good ground

Even now at his great age, much past his three score and ten years, and suffering in body by the accident that recently befel him, his heart like a rich, pure fountain sends forth pure teachings and and sparkling thoughts that refresh us all. May Heaven give him a full recovery, and he be spared many years yet to benefit and bless mankind by his presence and counsel.

And when the last great call is given,
And he shall be summoned home to Heaven
With cheerful voice he'll say, I come
To Thee my God, my Heavenly home.

CALIFORNIA MUSEUMS.

The word museum is always attractive, as being linked with things interesting and important, and a large sum of money is constantly being paid by all classes of our people to visit such places.

Woodward's Garden and Museum being prominent, and many more, but we desire to call public attention now to what we esteem to be the true

Museums of Industry

Of California, and it is to these our people must go to learn what is in California, and what will help restore our State to a healthy condition of business, and win for our people that prosperity for their great industrial interests now so many months languishing for want of new life blood.

The *Museum* of Messrs. Main & Winchester, on Battery Street, we name as one of these institutions, that is in deed and truth a place where those who wish well to our State should visit, in this museum of industry can be seen in the various departments, from 150 to 200 skilled workingmen, who at the word, *Presto-change!* they take the plain side of leather and quickly transform it into a finished saddle for a lady or gentleman.

In another department, another set of men take the raw material, and here again it is quickly transformed into a splendid set of harness for carriage or buggy, double or single, which for style and finish is equal to any work made in America or England.

Go to another department, and the various kinds of raw material are quickly changed to beautiful finished whips, for all the uses of the horseman, and these for style cannot be excelled by any manufacturer in the world.

Now, we ask the reader to go to this great manufactory of Messrs. Main & Winchester, visit the different departments of this establishment, reflect upon the value to our State and its permanent interests in thus giving steady employment to several scores of able and industrious workingmen, thus supplying them and their families with homes and home comforts, and again furnishing our inhabitants with goods that were heretofore imported from abroad, and drain the gold of our State from us, and we ask is not such a manufactory one of the *museums* for which our people may well be proud, and is it not better for our State to help build up such institutions in preference to many other enterprises and places of public resort, the tendency of which assuredly is, to pull down, rather than build up our State.

Home manufactures must be built up and sustained, and our wealthy men, our bankers and capitalists must look to home manufactures if they would have their stores and warehouses filled, business lively, and the houses now vacant occupied with families, the heads of which are employed constantly in the home industries of our State.

It will be remembered that Messrs. M. & W. are early Pioneers, and now do a world-wide business, and are among our most prosperous and honored merchants.

The Wine Exports and Imports.

The *Wine Exports* from this State as will be seen by Mr. Haraszthy's report have greatly increased of late, while the *Imports* from Europe to the United States have fallen off in a corresponding ratio, and while it is seen that the *quality* of *Imported Wines* has not *improved*, the quality of our *California Wines* has very greatly improved.

Among the large *Exporters* of Wine from California we can name Messrs. Landsberger & Co., Champagnes and still wines, G. Groezinger, Kohler & Frohling, Searle & De Turk, and a few others export also, and so firmly is the Wine Interest now established that many new vineyards will be planted this Autumn with great care, and with reference specially for making choice wines.

The Japanese Trade.

This trade increases rapidly, we ask:

Would it not be well for our country to look after Japan a little? The total importation of that nation last year were $32,230,000, of which England had $19,044,000 and the United States $2,204,000. Of exports, the former received $6,000,000, and the latter $5,678,000. The articles sent to them were principally gray, white and colored shirtings, cotton lawn, T cloth, chintz, muslins, buntings, woolen and cotton goods, thread, etc.

Los Angeles Fair.—Report of this in our next.

THE WINE INTEREST.

PROGRESS MADE.

[We present herewith the very able report on the wine interest made by Arpad Haraszthy, Esq., President of the California State Vinicultural Association, which was recently in session in our city. This report will be of great interest and value to grape growers and wine makers, not only in our State, but to the whole Union, for this interest is now assuming large proportions, and will demand attention and protection before Congress at its coming session.—Ed. F.]

I have to congratulate you upon the very large and wholesome increase of your exports, both of wines and brandies, during the past year, as well as the upward tendency of Eastern prices.

The first six months of the present year we have already sent abroad, by sea and by rail, 1,125,409 gallons of wine, and 81,345 gallons of brandy. And from the present appearances it is more than probable that we will, before the year ends, send out of the State one million and a half more gallons of wine, and sixty thousand gallons more brandy.

As to the consumption of wine within our State it is almost impossible to ascertain its exact amount. It cannot, however, be less than two million gallons per annum, and may even reach three millions. One thing is certain, San Francisco and its immediate surroundings now use over one million gallons annually.

For a better understandings of the growth of this traide, I will cite the following tables, beginning from the year 1875, and taken from my printed statement to the Chamber of Commerce:

WINE EXPORTS BY SEA AND RAIL

Years	Sea.	Rails.	Totals, gals.
1875	507,809	523,698	1,031,507
1876	516,269	598,776	1,115,045
1877	866,346	566,446	1,462,792
1878	1,238,626	573,533	1,812,159
1879 (6 months)	776,282	346,130	1,122,412

A detailed examination shows an increased exportation for the first six months of 1878, of nearly 300,000 gallons. And further, that the increase for the first half of the year 1879, is equal to the total increase of export of the entire year 1878 over that of 1877.

Our brandy exports by sea and rail were as follows:

Year.	Sea.	Rail.	Totals, gals.
1875	39,324	2,394	42,318
1876	36,901	23,092	59,993
1877	64,940	74,052	139 992
1878	91,324	37,875	129,199
1879 (6 months)	49,354	31,991	81,345

The wine table shows a constant annual increase from the year 1875, without a single fluctuation. The brandy tables show a less export for 1878 than for 1877 by about 9,000 gallons. This must be accounted for by the higher price of grapes in that year, and therefore a less amount of distillation, and consequently an advanced price for brandy.

There has also been a very notable decrease in the importation of French wines into the port of San Francisco between 1874 and 1878.

The importation in 1874 was—

In wood	750,000 gals.
In glass	51,800 gals.
Total	801,800 gals.

In 1878 the importation was—

In wood	370,000 gals.
In glass	15,900 gals.
Total	385,900 gals.

Showing a decrease of 495,900 gallons into the port in four years' time. To say the least, we must look upon this change as favorable.

The importation of French wines into all the ports of the United States has greatly decreased, as the following figures of importation for ten years will show:

1868	3,410,000
1869	5,964,000
1870	6,665,000
1871	6,200,000
1872	7,080,000
1873	6,613 000
1874	5,297,000
1875	3,263,000
1876	2,757,000
1877	2,486,000

This very notable reduction may be ascribed, first, to the cheapness and good quality of our own wines, and secondly, to the thorough enforcement of the present customs tariff.

Prices.

The prices for wine and brandies were lowest during the year 1876, and the beginning of the year 1877, and so slight was the demand and so great the stock on hand, that the viniculturists became alarmed throughout the State. These matters have, however, been once again regulated by large distillations in 1877-1878, by an increased home consumption, and a very considerable increase in our exports. It was thought in 1877 that the business was overdone, and that we had too many vines. But a reaction had taken place, and in 1879 our plantations have been greater than for many years back. In the northern wine districts, where, in the fall of 1876, the Mission wine grape was sold for from $7½ to $10 per ton, and the foreign from $14 to $18; in 1878 brought for the Mission from $12 to $14, and for the foreign from $22 to $26 per ton. From what I am able to learn the following are the average prices per ton asked in the different wine districts mentioned:

Los Angeles, for Mission grapes	$14 to $1
Napa Valley, Mission grapes	14 to 1
Sonoma Valley, Mission grapes	1
Stockton, Mission grapes	16

Except in Los Angeles, foreign grapes command from 40 to 60 per cent higher for wine making.

The Crop Prospect.

The crop will be larger than that of 1878, though by no means as great as was anticipated at the beginning of the season. It is estimated that not less than six million gallons of wine will be made this coming vintage. Napa Valley, on the same vines, will yield less than last year. Sonoma will yield considerably more, and Los Angeles County will also yield considerably more than in 1878. From Sacramento and El Dorado we have no returns. Santa Clara will also yield more. Relatively throughout the State, there will be a little over half a crop.

AUSTRALIA.

Editors, strangers and citizens from the Eastern, the Middle, or Southern States, also Editors over our own Coast who may desire to see or refer to their own Journals, or any Agricultural or Horticultural Journals, will always find them on file in the FARMER READING ROOM, to which they are always bid welcome.

A Large Library also, for *General Reference*.

Australia and California

We have full files of Australian Papers from all parts of Australia, showing the great interest they take in this Country, one thing of great moment, is the "Steamship Line," it is of vital importance to the welfare of the Colonies, and so vastly important to the Pacific Coast in the great trade that can be built up between the Colonies and California, if our Merchants do their duty.

ONE HUNDRED Journals are arranged on file for the convenience of all who may desire to peruse them. We have as follows :—

The Sydney Morning Herald, Sydney.
" *Town and Country*, Sporting Paper, Sydney
" *Australasian*, Melbourne.
" *Weekly Times*, "
" *Adelaide Observer*, Adelaide.
" *Queenslander*, Brisbane, Queensland.
" *Week*, " "
" *Capricornian*, Rockhampton, Queensland
" *Port Dennison Times*, Port Dennison.
" *Wide Bay and Burnett News*, Queensland.
" *Darling Downs Gazette*, Toowoomba, "

Many of these Journals are of the largest size, from 20 to 38 pages, several, splendidly illustrated with views of the Public Buildings, Landscapes, Public Men, Stock, etc.

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We Invite all our readers and our citizens especially who are interested in our MANUFACTURES and the MECHANIC ARTS, and our AGRICULTURE, to visit the FARMER Office and see the RICH PRODUCTS brought from QUEENSLAND by the Commissioner, they are now on Exhibition open to all, in the READING ROOM and MUSEUM of the CALIFORNIA FARMER OFFICE.

AGRICULTURAL FAIRS.

FOR THE YEAR 1878.

FOREIGN FAIRS.

AUSTRALIAN INTERNA'L EXPOSITION.
FAIR AT SYDNEY.
Commences Sept. 1—Continues 6 months.

VIRGINIA STATE FAIR.
FAIR AT RICHMOND.
Commences October 28—Continues 4 days.

GEORGIA STATE FAIR
FAIR AT MACON.
Commences October 27—Continues 5 days.

SOUTH CAROLINA STATE FAIR.
FAIR AT COLUMBUS.
Commences November 11—Continues 5 days.

COUNTY FAIRS.

S. C. HORTICULTURAL SOCIETY.
FAIR AT PAVILION, LOS ANGELES.
Commences October 20—Continues 6 days.

S. H. Kennedy's Mf'g Co.

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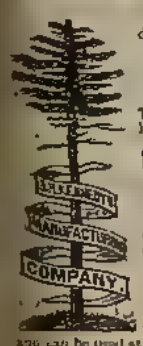
SHEEP DIPS.

The Largest of the Kind in the U. S.



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Dissolved Sulphur Dip,
Price, $2.25 a gallon.
This is equal to 20 pounds the best Sublime Sulphur.

Concentrated Extract of Tobacco Dip,
Price, $2.75 a gallon.
This is equal to 40 pounds best Leaf Tobacco.

Non-Poisonous Dip,
Price, $2.25 a gallon.
This is our Favorite Dip, as it Cures Scab and can be used at any degree of strength with safety.

HEMLOCK POISONOUS DIP,
Price, $225 per gallon,
And is the Best Poisonous Dip in Use.

EACH GALLON OF THESE DIPS
Will make enough for 225 Sheep After Shearing.

Put up in One and Five Gallon cans with full directions for use.

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SAN FRANCISCO,
Agents for the Pacific Coast.
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WATERS'

$ 5 Cash, $250 **ORGAN**—13 stops, 3 sets of reeds, octave coupler, and sub-bass, Patent Grand Organ and knee swell, black walnut case with handsome mirror top, stool and book, only $31100.

WATERS' 7 octave Rosewood Pianos, with stool, cloth cover and instruction book, only $142 00 WATERS' 7½ octave Rosewood Pianos, with stool, cloth cover and instruction book, only $151 00. All my instruments new and fully warranted. Send for my illustrated catalogue. T LEEDS WATERS, Agt., 140 & 142 William St., New York. Post-office Box 1750.

A SPLENDID ESTATE.

One of the finest estates on this coast can be purchased on the most liberal terms and at truly advantageous rates, offering to any gentleman, of means and taste, a rare opportunity to secure to himself an elegant location all ready made, with ORCHARDS, VINEYARDS, ORANGERIES, and GARDEN GROUNDS, all yielding a large income from the sale of Fruits, Wines, and other products annually.

This estate comprises from 300 to 350 acres of the finest land on this coast, admirably located, between well sheltering hills, in as beautiful a valley as can be found, and isolated from any other landholders, thus giving a true principality and a royal domain

The reason of sale now is, the desire of the owner to retire from so active a duty and so great a charge, to one of many years, as the care of such an estate demands, when the gathering of Fruits, marketing the same, the making of Wines that the proper care of Orchards, Vineyards, etc., requires.

The income of this estate approximates to $20,000 annually, and to a company, or to any person, who will give due and proper care to such an estate, the whole property could be made with the income and profits in four or five years.

No description of this estate would do it justice, it must be seen during its heavy bearing crops to be appreciated, and now is the time for any person who wishes to secure a splendid and beautifully located country home to visit and examine the estate.

There are at present on the estate a neat cottage, wine and fruit houses, stables, etc., with ample surroundings for making a truly modern beautiful home.

What an opportunity for a truly prosperous enterprise in fruit raising and fruit preserving, and the leading fruits for export, both for fresh and dried, and also for wine making.

We give the proof of what a solid foundation there is on this estate for such an enterprise, by showing the extent and the number of trees now in bearing upon this fine estate, in the following data.

The Vineyard is one of the best in this State as to the selection of the vines and the variety, and to their present health and bearing state, being in their very prime. The Vineyard covers 35 acres, and is most perfectly located, so as to receive the morning sun.

The Orchards are most admirably located, trees are the choicest, all in the most perfect health and in full bearing, and their numbers, near as possible, are as follows :

Cherry	[illegible]
Pear	800
Apple	700
Peach	700
Plum	300
Quince	200
Pomegranates	60
Almond	50
Fig	50
Walnut	70
Orange, large	50
Orange, small and new kinds	750
Vineyard named above, acres	35

A beginning and a basis for a splendid Orangerie of great value with the young Orange trees named above.

This immense collection is the grand basis of a fortune.

Here there is the foundation for a grand enterprise for raising choice fruits for our markets.

For making Raisins for export
For Drying and Preserving for export.
For exporting Fresh Fruits East.
And for making Wine.

To a company of young, active, enterprising men, perhaps four, who should each assume the head of different departments, viz:

One for Market Fruits.
One for Raisin Making.
One for Wine Making.
And one, a General Manager, to employ and pay men and superintend the labor department—such a division of labor making a certain success for all.

Here with a reasonable capital of some $15,000 in hand, a property of more than $50,000 could be controlled and could be made and cleared in less than FIVE YEARS.

The location of this property for beauty of scenery, for excellence of position to many markets, at home and abroad, is unequalled; and the reputation of the fruit grown on this estate is so famed that the highest price is always obtained for fruits bearing the name of these orchards.

Now then, in times like the present is an opening for a splendid enterprise, the reason of the sale of this estate is the declining health of the owner and his advanced age.

The title to this estate is the most undoubted, and clear proof of the certain success of the prosperity of such an enterprise to energetic and capable men, can be clearly made manifest.

All particulars can be had by *bona fide* purchasers, by addressing **EDITOR FARMER.**

ROYAL SEMI-PORCELAIN

DINNER SETS

REDUCED TO $7.50

GOBLETS - - 75 Cents per dozen,
TUMBLERS - - 50 Cents per dozen,

Other Goods in Like Proportion.

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609 AND 611 MARKET STREET,
4917 SAN FRANCISCO.

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JOHN DEERE MOLINE PLOWS.

MOLINE PLOW WORKS.

11-INCH STUBBLE PLOW.

THE WORLD'S FIRST PRIZE AT THE VIENNA EXPOSITION IN 1873.

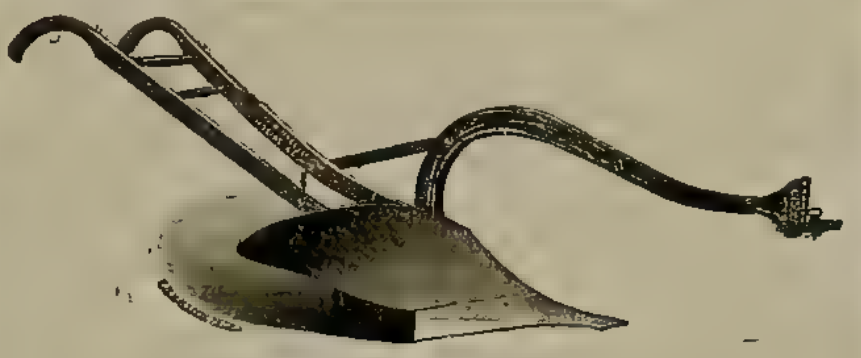
The points sought for in plows are steadiness of run, ease of draft, perfect work, and durability—and these important considerations we think we have secured to our plows. This was so decided by the Committee at the Great Vienna Exposition, who awarded the prize to our plows.

THE DEERE GANG PLOW.

Its ingenious construction and simplicity are shown in the fact that by *one lever* it is operated to any required depth. Opens up the first furrow and finishes the land by simply moving *the lever* from one notch to another, the plows maintaining a level position at all depths; and by pressing the same lever outward until it locks into a lug on the hub, the plows are carried clear of the ground by a half revolution of the wheel.

Its strength and durability are shown by merely stating that it is all from *cast steel*; and although there are many lower priced Gangs than ours, its cheapness is demonstrated by its greater durability and superior adaptation to the purpose for which it is designed. The DEERE GANG have an advantage over others, also in its lightness of draft, as has been proved in many dynamometer tests, and the many farmers having them in use have become satisfied, by comparative *team tests*, that no draft is added by the weight of frame and driver; and this is accounted for by the well known fact that a heavy load can be carried on wheels easier than a lighter one can be dragged on the ground.

The principle on which the DEERE GANG is constructed is such that the tendency of the plows to run at greater than the required depth is arrested by *the lever*, and the weight of plows and earth upon them, as well as that of the frame, is transferred to and carried by the wheels.



IRON BEAM PLOW.

The stickiest soil will not adhere to the working surface and more and better work can be accomplished with them each day, with ease to team and plowman, than with the plows of any other make.

They have been awarded the highest prizes ever offered in the country on plows, and have successfully carried off the prizes offered by the agricultural societies of the different Western States, and last season was awarded the GRAND PRIZE in field trial at the PARIS EXPOSITION, besides many prizes at other European trials of lesser note.

DEERE & COMPANY,

MOLINE, ILLINOIS, U. S. A.

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

☞Full Directions for Use Accompany every Box.

— ALSO —

CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

Clarke's

LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1872.

To Mr. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed good *health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON.

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 23, 1874.

To Mr. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILLIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)
JOHN GREEN,
—Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus :

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir:*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,

GALEN CLARK,
Commissioner Yosemite Valley.

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, coming from so high a source, we feel it a duty we owe to the public to give it the following letter :

SANTA CLARA, SANTA CLARA COLLEGE.

COL. WARREN: *Dear Sir:*

Heretofore we have had no occasion of trying the Eucalyptus Medicines, in Pills or Liquids, but we have commenced to use them, and we find them very beneficial; some of our Fathers find a great relief in their complaints; the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare. Yours respectfully,

A. CICHI, S. J.

At later date we received the following, another proof of the virtue of this Medicine :

The Pills we find to be a mild and beneficial cathartic. The Liquid Extract is a valuable Blood Purifier and a good appetizer. A. CICHI, S. J.

The above from Prof. Cichi, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedial.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you Divis Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY
David Clarke,
Manufacturing and Wholesale Chemist,
AT HIS LABORATORY,
Warwick, Queensland.

FOR SALE BY
WARREN & CO.,
SOLE AGENTS FOR THE
UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

THE
Queensland Almanac.

LAW CALENDER AND DIRECTORY
FOR 1879,
For Brisbane, Queensland.

TWENTY-FIRST YEAR OF PUBLICATION.

A complete Directory of all the Interests of Queensland—A valuable work of over 500 pages.

Price, $1.50 Mailed.

For sale at THE CALIFORNIA FARMER Office, Warren & Co. Agents for Publishers.

Home Miscellany.

"There is no place like HOME.
|Home! It should be Heaven on Earth

Written for THE CALIFORNIA FARMER.

LIFE A REVERIE.

BY PHILMORE.

'Twas long ago, one summer's day,
The cattle hied them from the glade,
The feather songsters hid away
To whisper love beneath the shade.

The limpid brook that gurgled by,
Each pause with ceaseless music filled,
White fragrant blossoms hanging high,
Sweet incense on the air distilled.

The green leaves rustled over head,
The verdant grass, the yielding moss
Spread out beneath a fragrant bed
Where weary limbs might find repose.

The breath of noontide warm as love
That gushes from the lover's lips,
Toyed gently with the leaves above,
And softly kissed their tender tips.

A maiden sat and watched the stream
That bore the bubbles swift along;
Lost to herself as in a dream,
She noted not the cuckoo's song.

For her those beauties all were vain,
No charm for her the song bird's lay,
She counted o'er and o'er again
The gilded nothings float away.

One bubble on the rippling tide
Was floating downward to the sea,
Two others, sailing side by side,
Scarce live and vanish instantly.

The first still keeps its course along
With rainbow hues reflected there;
Lo! and behold another's born
As light and substanceless as air.

It joins the airy hosts that on
The limpid stream so gaily glide,
Like friends we knew but one by one,
We've laid them gently side by side.

But other bubbles bright and pure
Are cast upon the stream of time,
Some shall the journey long endure,
While others fade before their prime

GETHSEMANE.

BY ELLA WHEELER.

In golden Youth, when seems the Earth,
A summerland for singing mirth,
When souls are glad, and hearts are light,
And not a shadow lurks in sight,
We do not know it, but there lies
Somewhere, veiled under evening skies,
A garden all must sometime see;
Gethsemane, Gethsemane—
Somewhere lies our Gethsemane.

With joyous steps we go our ways;
Love lends a halo to the days;
Light sorrows fall like clouds afar;
We laugh, and say how strong we are.
We hurry on, and hurrying, go
Close to the border land of Wo,
That waits for you and waits for me;
Gethsemane, Gethsemane—
Forever waits Gethsemane.

Down shadowy lanes, across strange streams
Bridged over by our broken dreams,
Behind the misty caps of years,
Close to the great salt fount of tears,
The garden lies. Strive as you may,
You cannot miss it in your way;
All paths that have been, or shall be,
Pass somewhere through Gethsemane.

All those who journey, soon or late
Must pass within the garden's gate—
Must kneel alone in darkness there,
And battle with some fierce despair.
God pity those who cannot say,
"Not mine, but thine," we only pray,
"Let this cup pass," and do not see
The purpose of Gethsemane;
Gethsemane, Gethsemane—
God help us through Gethsemane.

—*Rural New Yorker*

THE MAIDEN AND THE LEAF.

A dead leaf drifted along the snow,
A poor brown leaf with edges torn;
Now here, now there, blown high and low,
An outcast and a thing of scorn.
Alas! Alas!
So life drifts on to hearts forlorn.

Once in a bower, fresh and bright,
Kissed by the sun-rays and the dew,
A maid, to flee the hot sun's might,
Prone on the ground her fair limbs threw,
To sleep, to sleep,
And dream of some one that she knew

She slept and dreamt a horrid thing—
That he she loved from her would stray,
And starting up, deep sorrowing,
Resolved to seek him out that day.
Alas! Alas
'Twas all too true—he'd fled away.

Her last love token—just a leaf
Of sycamore—love's emblem bright,
She threw away, then prayed that grief
Might bear her off from mortal sight,
Alas! Alas!
Whilst the dead leaf drifted through the night.

CHARLOTTE BRONTE.

BY E. A. M.

Daughter of Albion, cut off in bloom,
A hero's soul dwelt in that fragile mould;
Thou hadst been martyr in the days of old,
And chanting pæans, gone to meet thy doom,
Sleep well poor heart in lovely Haworths' gloom,
Of all thy woes the rosary is told,
And like a garment peace doth thee enfold,
And silence golden, prevails above thy tomb.
Aye, rest in peace till the last trump shall sound
To wake the dead—then, then shall thou arise,
With all the saints that sleep in holy ground,
To meet thy Saviour in the flaming skies.
Thenceforth the crown, the palms, the raiment white,
The tree of life and day without a night.

Eastern Correspondence.

TAKE A NAP.

A WORD TO WIVES.

Now my dears don't you be deceived; it is all very well for men to preach up the doctrine of hard work, but you just try it, and when you have killed yourselves and made orphans of your children how do you suppose you will feel to have the widow Brighteyes step into your slippers and cut up all your best gowns to make dresses for her little girl?

Have you ever tried to imagine what would be the sensations of a ghost under those circumstances? Unless you are extremely anxious to find out I would advise you to hold on to the earthly tabernacle with both hands for so sure as you let go, that is what will come to pass. Take life easy. Don't worry. Care killed a cat and fretting makes wrinkles. Look at the bright side of things and if there is no bright side why shut your eyes tight and don't look at all. Cultivate a cheerful disposition and as a means to that end take a nap every afternoon. You can have no idea, unless you have tried it, how much it will refresh you to sleep merely fifteen or twenty minutes. You will wake up as cheerful as a crocus. I knew a lovely woman who used to take her siesta as regularly as her dinner—no matter what happened she never missed her nap, I have known her to go to sleep sweetly in the midst of the spring cleaning with the house turned topsy-turvey and the children run wild.

She was the mother of four children the oldest a boy of ten years, yet so youthful and blooming was she that among strangers she was being constantly taken for a girl and the men were always falling in love with her. Yes, my dears, these very same men who are so rabid about work. Do you suppose they would have looked twice at her if she had been the careworn, scrawny creature that alas, too often goes by the name of woman?

Not they indeed, the wretches have too much good taste.

Work and worry not only leave their marks on face and form, they sour the temper as well. Yes, dearly beloved, it is a stubborn, gradgrind fact if you work too hard you will be both ugly and cross. Now an angel could not love an ugly ill-tempered woman and men are not angels, far from it.

And if your husbands get to hate the very sight of your cross, peevish faces why you have nobody to thank but yourselves and I don't blame them. Now suppose instead of going round and round in the domestic treadmill from daylight until dark you break away from the everlasting grind for an hour every afternoon and take a nap.

You will wake up feeling refreshed and rested, a bath will remove the last vestige of fatigue and when your husbands' come home tired and cross you will be able to meet them with that smile that we hear so much about, and so seldom see.

JENNY DARE.

SOMETHING ABOUT STAIRS.

MRS. LAURA LYMAN SHIPHERD.

As pins have saved a great many people's lives by not swallowing them, so stairs have saved a great many women's tempers and health by not having them to climb. Three days in a week at least the mother of a family who does her own work must be on her feet from morning till night—washing day, ironing day, baking day—and in this count, sweeping day and the day for general housework is not enumerated. If her working rooms are all on one floor her tasks are hard enough, but suppose her kitchen is in a basement, and her dining-room and sitting-room on the second floor, and wood-house a step or two down, and her water likewise, the addition to the labor required is simply enormous. A house might as well be built on a steep side-hill, so far as doing the work is concerned, as to be built with steps from one room to the other. The woman who does her own work ought to have, on absolutely one level, the kitchen, the pantry, the dining-room, the nursery, and be able to get wood and water without taking one step up or down.

Some years ago we took a journey, and during our absence secured a woman with three or four children to occupy our house and take care of it and the children we left behind. She was a woman who never opened her mouth but to complain of something or other, and on our return we began to dread meeting her and listening to her various fault-findings with what she had had to put up with while we were away. Our house was situated on the top of a hill, so that there was no trouble about drainage, and all the rooms were on one floor and so little raised above the ground that the baby could roll from any one of its floor doors without hurting it, and creep from the grass to the carpet and the carpet to the grass without assistance. It was easy to see at the first salutation when we entered the house that everything had gone smoothly, and we might have staid away a month longer just as well as not, so far as the family left behind was concerned. "This is such an easy house to work in," said the woman. "I can go around all day, every day of the week, and not begin to feel so tired as I do after one day of work in the house I'm going back to." And ever afterward when any allusion was made to the time she spent in the house, it was always met with her exclamation, "That is such an easy house to do work in!"

Perhaps if that woman, who by the way, was of heavy weight, had had an "easy house to do work in" she might have been all the time sweet-tempered and contented with life and its conditions. On the long march soldiers throw away one thing and then another that at the outset they considered necessaries, and at the end of the march are encumbered with absolutely nothing that can be dispensed with. In like manner women find at the end of the long march, beginning often with marriage and running on through the years, that one step up or down becomes a burden almost intolerable.

As the spring opens new houses will be built on our western prairies, and in our villages and cities. Wherever a step or a flight of stairs can be avoided let it be done, and the unnecessary waste of muscle be thus saved.—*The Housekeeper.*

SOMETHING TO AVOID.

Young man! do you doubt that the effect of the use of tobacco is demoralizing? Go to the club-house, that gilded threshold to a life of degeneracy and degradation, where the card-pack takes the place of the catechism, and the average topics of conversation are the latest horse-race, walking-match, prize-fight, billiard or sparring exhibition. You will find there every individual to be an animated miniature volcano, breathing forth fire and smoke, and at intervals belching out a defiling lava-stream. Take the next step down to the wine and sample-room, where the fashionable rowdy and professional gambler robs night of its peaceful quiet, and under its cover fills the pages of life's record-book with words of blasphemy and deeds of infamy. Go to the gambling table where one is robbed of his money, and his moral life crucified, and you will find that tobacco holds high carnival. Go to the grog-shop where manhood is so swiftly wrecked and the Divine image obliterated, and it is tobacco smoke overhead and tobacco juice underfoot. Go into every haunt of sin on the face of the whole earth, and tobacco, alcohol, and curses, are the nefarious and diabolical trinity—the great triple enemy of the human family. Question every young man you meet, with cigar or quid of tobacco in his mouth, and he will be found to have strayed away from the protecting care of a mother's influence, and the shadow of the church and Sunday-school.

It has been discovered upon investigation, in the Polytechnic Schools of Paris, that the non-smoking boys are decidedly superior in general scholarship and mental vigor, to those who smoke; and the German Government, appreciating the injurious effects of tobacco on the physical constitution, has made smoking on the streets by boys under the age of sixteen, an offense punishable by fine and imprisonment.

Smoking or chewing tobacco is a process of distilling or extracting an oil which is so deadly a poison, that two drops placed on the tongue of a cat will produce death in four minutes; will take the life of the largest-sized dog, and by a puncture in the nose of a squirrel with a pin dipped in it, will cause death in six minutes. The sudden deaths of Gen. Dakin, of Brooklyn, and of Dr. Hallock, of New York city, was due to the paralysis of the heart, caused, there is little doubt for thinking, by tobacco poison, for they were inveterate smokers; while a *great* many lives are closed prematurely through its influence, and hundreds of thousands are daily living on the verge of the same probability.

If you would not destroy your health, and deaden or callous your moral sense; if you would not acquire a habit which is generally contracted in boyhood, and of which the testimony of unnumbered thousands of men is, that they would "*so gladly* shake it off if they could;" a habit which is a constant, and which becomes an incalculable drain upon the pocket as well as the constitution; a habit that has not one single virtue that can plead in extenuation for its existence, then live in the purifying atmosphere of the church and Sunday-school, and under the influence and council of a mother's unselfish and devoted love, which is ever watchful to guard you against evil. Despite the lamentable spectacle and truth that very many ministers and church-men defile their bodies, yet strangely enough expect pure water from muddy fountains—who daily outrage and defile God's human tabernacle, while in the same breath invoking His blessing upon it, the grateful fact is prominent, that in the churches will be found the best standard of morals and correct habits, and the best examples to emulate.—E. W. AUSTIN in *Phrenological Journal.*

EFFECT OF DIET ON LIQUOR DRINKING.

Charles Napier, an English scientific man, has been testing the truth of Liebig's theory that liquor drinking is compatible with animal food, but not with a farinaceous diet. The experiment was tried upon twenty-seven liquor-drinking persons, with results substantiating the Liebig theory. Among the more striking instances of reform brought about by a change of diet, was that of a gentleman of sixty, who had been addicted to intemperate habits for thirty-five years, his outbursts averaging once a week. His constitution was so shattered that he had great difficulty in insuring his life. After an attack of delirium tremens, which nearly ended fatally, he was persuaded to enter upon a farinaceous diet, which, we are assured, cured him completely in seven months. He seems to have been very thin at the beginning of the experiment, but at the close of the period named, had gained twenty-eight pounds, being then of about the normal weight of a person of his height. Among the articles of food which are specified by Napier as pre-eminent for antagonism to alcohol, are macaroni, haricot beans, dried peas, and lentils, all of which should be well boiled and flavored with butter or olive oil. The various garden vegetables are said to be helpful, but a diet mainly composed of them would not resist the tendency to intemperance so effectually as one of macaroni and farinaceous food. From this point of view, highly glutinous bread would be of great utility, but it should not be sour, such acidity being calculated to foster the habit of alcoholic drinking. A like reason may be applied to the use of salted food. If we inquire the cause of a vegetarian's alleged disinclination to alcoholic liquors, we find that the carbonaceous starch contained in the macaroni, beans, or oleaginous aliment appears to render unnecessary, and therefore repulsive, carbon in an alcoholic form.—*Louisville Medical News.*

A kind of household furniture becoming popular is that made of ebonized wood in imitation of the rich "ebony and gold" found in the countries of the East. The furniture is generally known in the trade as "ebonized cherry," so much is the latter wood preferred for this purpose. Whitewood, maple, and beech, as well as any close-grained, dense wood, are also good; but ash, chestnut, and oak are not suitable. The process of ebonizing is quite simple, and requires no extraordinary skill.

WHO MAKES SCRAP BOOKS?

We said "In the making of books there is no end," and we know there are many persons who are always interested in making SCRAP BOOKS—now, to all such persons, we have some very important information which will benefit them.

It will be seen by our advertisement of "OLD NEWSPAPERS FOR SALE" that can furnish just the right material for SCRAP BOOKS, for we have in this collection of OLD NEWSPAPERS, a series of papers of 10 to 25 years, and from every State in the Union, and also European papers; with select scientific and literary papers, journals of all kinds. In these papers will be found much of the best Poetry of the age; also, Stories, Anecdotes, etc., all very valuable, and these we shall offer at the low rate of $1.00 to $3.00 per hundred. Many of these are 12, 16 and 20 page pamphlets, and magazines and other periodicals, those who want these collections will call at or address the

CALIFORNIA FARMER OFFICE.

Information Wanted.

Fred. B. Potter, 22 years of age, late of Denver City, Colorado, on May 5, 1879, started from Madison, Colfax County, New Mexico, together with one Ed. Sellers, to drive cattle south or south-east, towards or into Texas, through the Pan Handle country. Since which time the friends of Potter have heard nothing from him. Any information will be duly appreciated and relieve an anxious mother. Mrs. Emma Gates Conkling, 27 Chatham Street, New York City.

Out this Out and Save Life.

Who does not value life? and who would not give all their wealth to *preserve health?* for this is life?

What is life without good health? a heavy, weary load of pain and sorrow.

BLOOD IS LIFE!

And the best blood purifier in the world is "David Clarke's Australian Liver Pills," there are no pills manufactured that surpass them in excellence, they are so certain a remedy for all evils that affect the liver or taint the blood—buy only DAVID CLARKE'S GREAT REMEDIALS.

A FREE BOOK of nearly 100 large octavo pages for the sick. Full of valuable notes on Scrofula; Diseases of Women; Aches and Pains; Heart Troubles and a great variety of CHRONIC DISEASES, with evidence that in most cases, these diseases are curable. Sent for one stamp.

Address MURRAY HILL PUB. CO.,
No. 129 E. 28th Street, N. Y.

Think about yourself, about what you want, what you like, what respect people ought to pay you, what people think of you, and then to you nothing will be pure. You will spoil everything you touch; you will make sin and misery for yourself out of everything which God sends you; you will be as wretched as you choose on earth, or in heaven either.

SAVE YOUR EYES.

AMONG THE MANY AND WELL ATTESTED VIRTUES of the Eucalyptus Remedials, its great and immediate agency in benefitting the eyes is one of its prominent features. By careful tests made by persons having weak eyes, and persons even of an advanced age, who have used "Clarke's Concentrated Fluid Extract" for the eyes as a bath the most astonishing results have been attained, weak eyes have been entirely cured and aged persons have had their sight so greatly improved as to do away with glasses. This liquid is for sale at the FARMER OFFICE, the American Agency, 320 Clay Street.

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URANINE.

This wonderful new compound which has excited so much wonder and admiration, and which is so valuable as an Analine Dye, has been received by us and will be offered for sale by us at trade prices. We can show it as illustration of its magic power—a single grain will color 350 gallons of water. Dyers of silks, woolens, should examine this wonderful article. For sale at

FARMER OFFICE.

SEND THE FARMER ABROAD.

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, to send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a JOURNAL as the CALIFORNIA FARMER. We know our JOURNAL is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the HOME CIRCLE everywhere, as a JOURNAL free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, SPECIAL PREMIUMS OF SEEDS are donated with the paper, to benefit our State. See new subscription prices.

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WHOLESALE AND RETAIL

MUSIC DEALERS,

CORNER KEARNY AND SUTTER STS.,

San Francisco.

WEBER PIANOS

.... ARE ....

THE BEST.

What the Great Musicians and Singers say of them.

NEILLSON. I shall take every opportunity to recommend and praise your instruments.

KELLOGG. For the last six years your Pianos have been my choice for the Concert Room, and my own house.

PATTI. I have used the Pianos of every celebrated maker, but give yours the preference over all.

STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

WEHLI. Madame Parepa called your Pianos the finest in the United States. I "fully endorse," that spoken. They have no "rival anywhere."

MILLS. Amongst the many excellent Pianos made in the city, the Weber ranks foremost.

LUCCA. Your Uprights are extraordinary instruments and deserve great success.

MURSKA. Your instruments surpass my expectations, and I rank you justly as the Foremost Manufacturers of the day.

GODDARD. Your Instruments have no "superior" anywhere. I certainly have not seen any Pianos in America which approach them even.

The Cottage Gem Piano,

Is 7 Octave. Serpentine Mouldings. Carved Legs, and is the DEST PIANO in the market for the price.

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Has a Beautiful Case, full, rich tone, and for durability

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Santa Clara College, S. J.

SANTA CLARA, CAL.

THE TWENTY-NINTH ANNUAL SESSION OF THIS Institution will be resumed Tuesday, August 5th.

This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It comprises six large buildings with extensive shady play-ground, covered gymnasium, swimming pond, etc.

It possesses a most complete philosophical apparatus, and valuable collections of mineralogy and geology. It has also practical schools of Assaying, Surveying, Telegraphy, Photography, and Commercial business. For the latter a new building 180x40 has just been finished that leaves nothing to be desired.

Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course.

TERMS—(Payable semi-annually in advance) Matriculation fee, to be paid but once ..... $ 10 00
Board, Lodging, Tuition in all branches, Washing and Mending of Linen, School Stationary, Medical attendance and Medicine, Baths, etc., per session of ten months 350 00

For further particulars apply to the President of Santa Clara College, or to St. Ignatius College, 641 Market Street, San Francisco

34-1 REV. A. BRUNENGO, S. J., President.

GRAND TRIUMPH FOR EUCALYPTUS.

EUCALYPTUS WILL CONQUER DISEASE.

We publish the following strong TESTIMONIAL in favor of the GRAND REMEDIAL POWER of the Eucalpytus, prepared by DAVID CLARKE, CHEMIST, of Australia.

This Testimonial comes from a prominent Merchant of this City, whose name is with us for reference for all who suffer and would be relieved.

SAN FRANCISCO, April 7, 1879.

EDITOR CALIFORNIA FARMER—*Dear Sir*

Some time ago I had the misfortune to sustain a dislocation of the shoulder received from a fall, and while I was suffering the most acute pain as the effect of it, so much so as to be deprived of my sleep nights, I met my old friend, Col. Warren, who presented me with a bottle of "Eucalyptus Oil" saying as he did so, "try it." "bathe the shoulder and arm well, and on retiring saturate a cloth with the oil, and bind it to your shoulder, and you will have no more sleepless nights on account of pain from that." I followed the Colonel's directions, and must say that the Eucalyptus Oil will do all that is claimed for it as an alleviator of pain (rheumatic and otherwise) and more too.

A preparation made from the Eucalyptus Trees, by frequent ablutions of the eyes will restore weak eyes to strong ones and positively restore the sight as good as ever to people whose eyes are failing, if they will keep their body in good condition by the use of Eucalyptus Pills—while using the eye wash. Yours truly, G. H. B.

N. B.—There are many compounds made in this State, yet however good, the *genuine* Remedials are only prepared by David Clarke, Warwick, Australia, for sale by Warren & Co., Agents.

WELL AUGER. Ours is guaranteed to be the best in the world. Catalogue free.
W. W. GILES, 149 Clark st., Chicago, Ill.
49:14 6t eot

Miscellany.

Gatherings along the way side,
Floating gems by every tide.

THE GULLIBILITY OF AMERICANS.

[The *New York Market Index and Journal* has the following true sketch of the fashionable way of making money out of the people.—ED. F.]

The American people are willing to pay more to satisfy their curiosity than any civilized or uncivilized nation on the globe.

A clique of American and English sports get up a nice little combination whereby they offer to a number of highly respectable tramps, who would rather walk than work, a $300 belt, with the empty title of the world championship; get them to pay $500 (!) for an entrance fee; put them in a big garden, and set them to tramping. This is the spider's web; the flies appear in swarms. The managers charge a dollar a head for catching the flies, but they do this simply to have only respectable flies enter. Some of these flies wear ragged clothes, their homes are pinched with poverty, but this consuming curiosity must be satisfied, and they pay their dollar and are caught. But why moralize? The respectable city press will do that after the affair is over and newspapers will not sell so readily. It is their business to feed this curiosity with the most inflammable material they can manufacture just now, and point out the evil and folly afterwards.

So far as any national significance is concerned in this connection, it is simply preposterous for any sane man to uphold such an idea.

Two barrels of money out of New York to cross the ocean inside of one year for English sporting men is a nice thing, and they will arrange the programme with this end in view just so long as the American people will stick to them.

Washington and West Washington Markets have paid into the general fund close on to a thousand dollars, while the other markets have all contributed their share.

ONE OF LIFE'S SHADOWS.

At eight o'clock the other morning a wife followed her husband down to the gate as he was starting for down town, and kindly said to him:

"William, you know how sadly I need a blue bunting dress."

"Yes, dear," he remarked, "but you know how hard up I am. As soon as I can see my way clear you shall have the dress, and a new hat to boot. Be patient, be good, and your reward shall be great."

Forty minutes after that he emerged from a restaurant with a big basket and a fish-pole, bound up the river. In the basket was a chicken, pickles, cake, fruit, pie and a bottle of liquid of a rich color, and he was just lighting a twenty cent cigar when his wife came along.

"What! you here?" he exclaimed.

"Yes, I was going to the market. Where are you going?—what's in that basket?"

"I was goin to carry this fish-pole around to a friend," he modestly answered.

"And that basket?"

"This basket—well, I was going to take it to the Orphan Asylum as a present to the children. It is a donation from six leading citizens."

"William, I don't believe it!"

"Sh! Don't talk so loud!"

"William, I shall talk louder yet!" she exclaimed. "I'll bet you are going fishing!"

"Mary," have I ever deceived you?" he plaintively asked." "I never have. As proof of my sincerity you can take this basket to the asylum yourself!"

"And I'll do it!" she promptly replied as she relieved him of it.

"Mary, hadn't you—?"

"No, sir. I hadn't. You better hurry up with that fish-pole, as the man may want it, and be careful how you stand around in the hot sun!"

She left him there. He watched her take the car for home, and then he returned the fish-pole and crossed the street and said to an acquaintance:

"Tom, I'm suffering with neuralgia, and the excursion is off till next week. Too bad, but we can never tell what a day will bring forth."

There was chicken and pickles and other good things on the table at dinner, but he never smiled. Even when his wife wished she was an orphan, if that was the way they were fed, he never betrayed the gloom in his heart. It was only when she handed him the bottle he had so carefully tucked into the basket and he saw it labelled, "Good for Little Children," that he said:

"Mary, it is an awful thing for a wife to get the impression that her husband is a cold-blooded liar."

"It must be," she replied, as she took the other end-leg.

Recipe for making a Russian name: Take three alphabets and shake them up in a hat; throw on a table and pick out those that fall right side up; string them in a line, then all either the first or "ff," and you have a genuine Russian name.

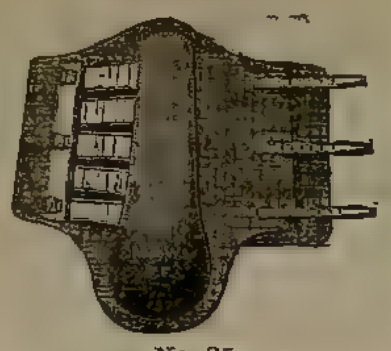
Recently he had a Parson (clergyman) "How will you come to church to be married to a man in such a state as that." Bride (weeping)—"It wasn't my fault sir. I can never get him to go when he's sober."

"Didn't you tell me you could hold a plow?" said a farmer to an Irishman he had taken on trial. "Be aisy, now," says Pat. "How could I hould it an' two horses pullin' it away? Just stop the horses, and I'll hould it for ye."

MAIN & WINCHESTER

Nos. 214 and 216 Battery Street,

SAN FRANCISCO.



No. 35.
ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B. Illustrated Boot Book with Prices sent on application. 47:20

SAN FRANCISCO CORDAGE CO.

ESTABLISHED 1866.

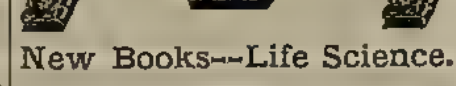
Have constantly on hand a full supply of all kinds of Manila and Sisal Rope—manufactured from the PURE Fibres—and by the latest improved machinery. All our Manila Rope GUARANTEED.

HAY ROPE.

The special advantages of Rope for baling purposes, are the uses to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for Halters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when baled with Rope.

FOR SALE BY ALL DEALERS.

TUBBS & CO.,
611 AND 613 FRONT STREET,
SAN FRANCISCO.
49:7



HENRY KIMBALL.

Bartling & Kimball,

BOOK-BINDERS, PAPER RULERS
AND MANUFACTRUERS
—OF—
BLANK BOOKS.

505 Clay Street, S. W. corner Sansome,
San Francisco. 45:15

A GOOD PLAN.

Anybody can learn to make money rapidly operating in Stocks, by the "Two Unerring Rules for Success," in Messrs. Lawrence & Co.'s new circular. The combination method, which this firm have made so successful, enables people with large or small means to reap all the benefits of largest capital and best skill. Thousands of orders, in various sums, are pooled into one vast amount and co-*operated* as a *mighty whole*, thus securing to each shareholder all the advantages of the largest operator. Immense profits are divided monthly. Any amount from $5 to $5,000, or more, can be used successfully. *N. Y. Baptist Weekly*, September 26, 1878, says, "By the combination system $15 would make $75, or 5 per cent.; $50 pays $350, or 7 per cent.; $100 makes $1,000, or 10 per cent. on the stock, during the month, according to the market." *Frank Leslie's Illustrated Newspaper*, June 29: "The combination method of operating stocks is the most successful ever adopted." *New York Independent*, Sept. 12: "The combination system is founded upon correct business principles, and no person need be without an income while it is kept working by Messrs. Lawrence & Co." *Brooklyn Journal*, April 29: "Our editor made a net profit of $101.25 from $20 in one of Messrs Lawrence & Co.'s combinations." New circular (quilled tree) explains everything. Stocks and bonds wanted. Government bonds supplied. Lawrence & Co., Bankers, 57 Exchange Place, N. Y. 49:10

New Books--Life Science.

The following valuable new works just received at THE CALIFORNIA FARMER OFFICE, 320 Clay Street, worthy special attention.—

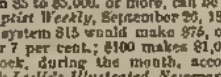
"PLAIN HOME TALK AND MEDICAL COMMON SENSE,"

A most valuable work, one volume, 900 pages, fully illustrated with 200 engravings.

"SCIENCE IN STORY,"

A most interesting volume of nearly 1200 pages, admirably illustrated; Also, "Science in Story" in five volumes, most admirably written and most inviting to every reader and conclusive in the arguments of every story.

These Volumes are all Edited by Dr. E. B. Foote, and issued by the Murray Hill Publishing Company, of Chicago, Ill., and for sale at the FARMER OFFICE.



FOUR SPLENDID WAGONS,

Farmers who desire a splendid Single or Double Seat of Wagon, of the best make and best finish, can have a special bargain if they will call at 320 Clay Street, FARMER Office, where style of the Wagon will be shown them, price and terms also. An early call will secure a bargain rarely obtained.

BERKSHIRE SWINE RECORD.

A SPLENDID WORK IN THREE VOLUMES, ELEGANTLY Illustrated with plates of the finest Berkshire Swine in the United States and the Canadas, sent out by the American Berkshire Association, is now for sale at the CALIFORNIA FARMER OFFICE, 320 Clay Street.

THE BEST WAGON ON WHEELS

IS MANUFACTURED BY

FISH BROS. & CO.,

RACINE, WIS.

WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

USING NOTHING BUT

First-Class Improved Machinery and the Very Best of Selected Timber,

AND BY A THOROUGH KNOWLEDGE OF THE BUSINESS, WE HAVE JUSTLY EARNED THE REPUTATION OF MAKING

"THE BEST WAGON ON WHEELS."

We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ———, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {TITUS W. FISH, EDWIN B. FISH, JNO. C. HEGGIE,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. **Send for Prices and Terms,** and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.

—OR—

GEO. A. DAVIS,

Manfacturers' Agent for Pacific Coast,

327 MARKET STREET,

48:17 **SAN FRANCISCO.**

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS

To all Parts of the United States.

J. F. FARNWORTH. - - - - - - - - - - M. T. BREWER.

NOW IS YOUR TIME TO ADVERTISE.

ADVERTISERS ABROAD AND AT HOME.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE.

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three to four months earlier* than New England therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows: Ten lines or less, one square, *first insertion*, Five Dollars per Line; each subsequent insertion, *Two Dollars per Line*. Travelers the most liberal at reasonable rates, giving to the FARMER their patronage in part or in full, as it is very necessary to reach the best portion of the agricultural community.

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $20.00

For one-eighth of a column, three months ..... $16.00 | For one-half of a column, three months ..... $ 80.00
For one-quarter of a column, three months ..... 30.00 | For an entire column, three months 150.00

For a single month, half the rates of three months.

For these advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be especially understood that these rates are invariable unchangeable; the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rates.

WARREN & CO., Proprietors,

320, CLAY STREET, SAN FRANCISCO.

COMMISSION SALES-ROOM,

—AND—

Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and every article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

BOOKS---SEEDS---TREES

All rare and choice things can always be purchased as above.

Silk and Tea Culture,

A PRACTICAL TREATISE ON

SILK CULTURE,

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 5 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine **Patent Bee Hives** of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,

320 Clay Street,
SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Linament for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Linament is needed, as it has been proved to be the best Linament known.

FOR SALE,

Wholesale and Retail,

WARREN & CO.,
320 Clay Street,
AGENTS FOR DAVID CLARKE'S REMEDIALS

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, *"Please Insert and Send Bill!"* this we cannot do without CASH, or a special understanding before hand.

WARREN & CO.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, October 23, 1879.

Money and Exchange Tables.

Exc. on England, new style, long and short	4 81½ a 4 83½
Gold, at par	— 1 00
Silver, at par, in sums of	— 1 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	.11s d.a 11s10d.
Value of Club Wheat in Liverpool	.12s d.a 12s 6d.
Value of Wheat in New York, bushel	1 45 — 1 50
Brewers Barley in New York, bushel	1 20 — 1 30
Wool in New York	30 — 35

MONEY AND EXCHANGE TABLES.

We need only repeat what we reported previously to give the true phase of our money market here and in Europe.

Money is so abundant as really to go round begging borrowers, and yet money is much wanted among business men, but hard to get by reason of a want of general confidence.

The millions of England and France is now flowing towards the United States, it comes to pay for breadstuff and our manufactures that by reason of their great excellence are fast taking the place of European goods, and thus we are draining Europe of large amounts of their gold.

Bank rates for money has advanced both in England and France—Germany and other great money marts hold to a higher value still.

Money in our city and State rates at 6 to 8 per cent. at banks of discount, and at savings and loan on real estate at 8 to 11 per cent., taxes paid by lenders—money plenty in bankers and capitalists hands.

GRAIN AND FLOUR MARKET.

The *Grain Market* in this State may truly be said to be the most quiet grain market in the world just now, and although the fact is patent that the European markets have advanced, and the Chicago and New York markets have been and are greatly excited still, our own market is not agitated by any wild or much of the speculative mania yet, a little time only and the excitement will come.

The reason of this calmness, undoubtedly is the fact that we have no more tonnage to load, all, or nearly all the engaged tonnage is loaded, and we wait for expected shipping that more grain can go forward.

California has done nobly thus far the present shipping season, having sent forward from July last, over 3,000,000 centals, the value of more than $5,000,000, while from July 1, there have been nearly 100 cargoes wheat and flour leave our port, which at present rate of shipment will show a sending abroad the present harvest year of more than 500,000 tons of grain and flour, and at a value of more than $16,000,000, this was the amount of grain this journal estimated would go forward the present year.

There is now on the way to Europe from the Pacific more than 4,000,000 centals wheat, and there are now nearly fifty ships engaged for wheat, and the wheat mostly engaged for them, and the rate of loading since July and for the balance of this year will average for the six months a cargo a day—so that with what is now on the way, and what will go before January will place on the European market 1,300,000 quarters of wheat, equal to, or about 6,000,000 centals or 300,000 tons—a good showing for California.

In the early part of our season some of our journals estimated the amount of our crop to be spared to ship as low as 300,000 tons, others at 400,000 tons—we gave it at 500,000 sure, and believed it would go higher, and we now think it will reach 600,000 tons, all told, that will go abroad.

The shipment of grain and produce from our country to Europe the present year is fast telling upon the finances of Europe, in drawing the gold of Europe to this country, as seen by the New York financial reports, which give the enormous sum of over $40,000,000 in about two months, while the prospects are that such will be the demand for our bread stuffs and other products, that our exports will exceed our imports by nearly $350,000,000 for the year 1879.

The *market* for *Barley, Oats* and *Corn*, and in fact of all kinds of grain will be more or less affected by the present agitated state of the grain market here, in New York, Chicago, and the European market, and we may expect soon to see quite an excitement, not only in grain but in all our products.

The *Hop market* has had a lively jump, and by reason of the loss of crops in Europe and short crops elsewhere, the price has advanced very high.

The *Market* for *Honey* is better in price and steadily advancing, with very small stock on hand among honey men. *Beeswax* scarce.

The *Potato market* shows an overflowing market and very low prices—*Sweets* are very plenty and low—*Onions* are a little better than last report.

The *Bean market* has an immense stock to grapple with—old beans lots, and new beans immense crops, some exports help, but prices lower.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 60 — 1 65
do Choice do.	1 85 — 2 10
do Milling do.	2 00 — 2 25
Barley, per 100 lbs., feed	75 — 85
Barley, for brewing, (Chevalier)	1 70 — 1 90
Rye	1 00 — 1 10
Oats, California, per 100 lbs.	1 00 — 1 35
Corn, do. do.	80 — 95
Flour, Superfine, per bbl	4 25 — 4 50
do. Extra	5 00 — 5 50
Extra Flour for shipping	5 50 — 6 00
Very Extra Family Flour	6 00 — 6 50
Oregon Superfine	4 25 — 4 50
do. Extra for shipping	5 50 — 6 00
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 50 — 1 85
Bran per ton	16 00 — 25 00
Middlings per ton	17 50 — 18 00
Ground Barley	18 50 — 20 00
Oil Cake Meal, for feed, per ton	— 34 00
Beans, per 100 lbs, various	1 75 — 3 50
Beans, Lima	4 00 — 4 50
Potatoes, common	25 — 30
Potatoes, choice	40 — 75
Early Rose	50 — 60
Sweet Potatoes	75 — 90
Onions, new	50 — 75
Hay per ton, ordinary	8 50 — 9 00
Hay per ton, extra	10 00 — 11 00
Wheat Hay	11 00 — 13 00
Alfalfa Hay	—
Straw per ton	4 00 — 5 00

Retail Prices in the Fruit Market.

The *Fruit market* was never better supplied than at the present time, all the choicest varieties of fruit are coming to market in great abundance, and of the very best quality too, so abundant is the stock generally that it does not pay the grower to stop to gather any but the most perfect fruit for market.

Strawberries, more scarce, 30 to 40 cents the drawer, Raspberries a few.

The supply of melons is equal to demand—Figs abundant.

The Nut market is well supplied at low rates.

Apples, per box	30 — 1 00
do. do. lb	4 — 6
Pears, per box	75 — 1 25
" per lb	6 — 8
Figs, dried, per lb.	12 — 15
Fresh Figs, per lb	10 — 12
Australian Oranges, per doz	40 — 75
" Lemons, per doz	40 — 50
Tahiti Oranges, per doz	20 — 30
Lemons, imported, do.	30 — 50
Limes, do. do.	20 — 25
Fine Apples, each	50 — 1 00
Bananas, per bunch	2 50 — 4 00
California Oranges, per dozen	30 — 40
" Lemons, "	30 — 50
" Limes, "	15 — 25
Strawberries	10 — 15
Raspberries	— 20
California Walnuts, per pound	8 — 15
Almonds, hard shell per pound	12 — 16
do. soft shell, do.	15 — 18
Foreign Pecan Nuts	12 — 15
Madeira Nuts	12 — 15
Foreign Brazil Nuts	15 — 20
Filberts	12 — 15
Chili Walnuts	7 — 10
Pea Nuts	5 — 10

Retail Price in the Vegetable Market.

Our *Vegetable Display* is all that any good housewife could ask, there is no one variety of vegetables now but what is found in our market in abundance and at lower prices than has ever been known in our city, a vast amount grown by our Italian, Portugese and Chinese gardeners, for they monopolize all this trade—literally enormous as any one can see that will visit our markets, the wagons stand in early morning on Sansome street and thence down Washington street to the wharves, where vegetables are shown by cargoes—and so every week.

Asparagus	6 — 8
Artichokes, (French) per doz	15 — 20
Tomatoes, per lb	3 — 5
Beets, per doz	— 25
Broccoli, each	5 — 10
Cauliflower	5 — 10
Cabbage, do	8 — 10
Carrots, per doz	— 25
Celery do	15 — 1 00
Celery Root per dozen	— 75
Cress, per dozen bunches	10 — 12
Cranberries, per gallon	50 — 60
Dried Herbs, per doz.	30 — 40
Green Peas, per lb	4 — 5
Lettuce per doz. bunches	10 — 12
Onions per lb	5 — 6
Horseradish, per lb	10 — 12
Okra, green, per lb	8 — 10
Okra, dried, per lb	— 50
Choice Potatoes	1½ — 2
New Potatoes	2 — 3
Potatoes choice, per 100 lbs	1 00 — 1 50
Kidney Potatoes, per lb	1½ — 3
Pumpkins	1½ — 2
Parsnips, per doz. bunches	— 15
Salsify, do. do.	15 — 20
Parsley, do. do.	40 — 60
Pickles, per gallon	40 — 60
Radishes per doz. bunches	6 — 8
Rhubarb, per lb	2 — 3
Squash, Marrowfat	2 — 3
do. Hubbard	3 — 5
Lima, Dry	8 — 10
String Beans, per lb.	5 — 6
Spinage per lb	5 — 6
Salsify, per bunch	4 — 5
Turnips, per doz	8 — 10
Garlic	15 — 20
Eschalot	8 — 10
Mushrooms	8 — 10

Fish Market.

The *Fish market* is finely supplied, and at low selling price now—fish of all kinds are cheap enough.

Salmon ₱ lb.	4 — 6
do smoked new	6 — 8
do pickled, ₱ lb	6 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Halibut	20 — 25
Smelts, per lb	— 10
Perch do	— 10
Rockfish do	— 10
Codfish, dry, per lb	— 8
Herring, fresh, per lb	— 25
do smoked, ₱ doz	— 12
Tomcod, per lb	— 10
Sardines, fresh, per lb	— 20
Solefish, per lb	15 — 25
Mackerel pickled, each	8 — 10
Shrimps, per lb	12 — 15
Flounders do	15 — 20
Sea Bass do	20 — 25
Halibut do	2 — 4
Sturgeon do	25 — 30
Turbot do	2 50 — 3 00
Terrapin, ₱ doz	2 — 2 50
Pompono do	— 25
King Fish do	12 — 15
Anchovies do	2 00 — 2 50
Frogs, per doz	

Shell Fish.

The *Shell Fish market* is very fully supplied with all the needed, as well as all the epicurian varieties.

Oysters ₱ 100 choice	60 — 75
Chesapeake oysters per dozen	50 — 75
Craw Fish, per lb	12 — 15
Clams per 100	— 50
Mussels do	— 25
Crabs, boiled, each	— 25
do soft, per doz	— 50

Retail Meat Market.

The *Retail Meat market* shows as fine beef, mutton, veal and pork as any market in the Union, and the prices of our retail meats are such as to suit all our good housewives, for they are low.

Porter House	15 — 18
Porter House, extra	18 — 20
Beef, tenderloin, per lb	16 — 18
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	8 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	8 — 10
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	6 — 8
Beef tongues, each	— 75
Pigs tongues, each	— 15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	13 — 15
Choice hams, Duffield	15 — 16
Whitaker, St. Louis, Mo	15 — 16

Poultry and Game Market.

The *Market* for *Poultry* is well supplied—more than the demand.

RETAIL PRICES.

Ducks tame each	75 — 90
Geese tame, per pair	2 00 — 2 50
Broilers	40 — 50
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	25 — 23
Pigeons, domestic, per doz	4 00 — 4 50
Quail, per doz	1 50 — 2 00
Hares each	25 — 38
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Venison	10 — 15

Poultry and Game—Wholesale.

Broilers, per doz	3 00 — 4 00
Large Chickens, per doz	5 00 — 6 50
Hens, per doz	6 00 — 7 50
Turkeys, dressed, per lb	18 — 22
Ducks, tame, per doz	5 50 — 7 00
Quail, pe. doz	1 00 — 1 50
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Rabbits, tame, per doz	1 50 — 1 75
Squirrels, per doz	75 — 1 00
Venison	5 — 8

Retail Dairy Market.

The *Dairy market* is well supplied prices of roll butter firm, large amounts of pickled butter is coming in.

Eggs are more scarce and higher, the quantity of cheese coming in is large, this brings down prices.

Butter, California, Extra Choice per lb	35 — 40
do. do. for (Cooking) do.	30 — 25
do. do. packed best roll	25 — 28
do do. Eastern	20 — 25
California Eggs, per doz	35 — 40
Oregon	— — 33
Duck Eggs, do	20 — 25
Cheese per lb	15 — 20
do. bags, per lb	25 — 30
Eastern Cheese, do.	25 — 30
Lard, California, per lb	16 — 18
Lard, Eastern, do.	— 18
Honey, Comb	12 — 18
do. Strained	8 — 10
Vermont Maple Sugar, per lb	— 20

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb. (Fresh)	30 — 35
do. Packed Roll, do.	28 — 32
Eastern Butter	16 — 18
Cheese, California, per lb	10 — 13
California Eggs, per doz	30 — 35
Eastern Eggs, per doz	14 — 20
Duck Eggs, "	30 — 32
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	13 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging Trade* is now an exciting or rather an interesting subject, and especially to those who hold the bags now, there is a lull in the demand, and yet the price is firm, the quantity still wanted is quite large, yet buyers hold back, and sellers hold on, when necessity comes, one or the other must give way, and we think it will be the bag holders—for when the supply is completed there must be from five to six million bags left over.

Hand Sewed Bags, Standard, 22x36 com. prices	10½ — 11½ cts.
Second Hand, Extra	9 — 9½ do
Machine Sewed, 22x36	8½ — 9 do
do do 20x30	— 8½ do
Barley Bags, 23 x 40	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— 9½ do
Wool-sacks, new	46 — 50 do
do second hand	30 — 40 do
Potatoe Gunnies, Double Sewed	14 — 15 do
do. do. Second Hand	10 — 10½ do
Flour Bags, quarters	4½ — 5 do
do. halfs, six qualities	7 — 9 do

Staple Home Products.

Our *Home Products* are every year showing more and more how rapidly we are preparing to be an independent State, independent for many of the products we formerly imported.

California now exports raisins, nuts of many kinds, fresh and preserved fruits in large quantities, and in a brief time oranges, lemons, limes, and many other articles will be exported from California, returning a large revenue to our State.

Flax Seed, per lb	2½ — 3
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	3 — 3½
Castor Oil No 1 Diamond in cases, per gallon	— 1 00
" " " barrels "	— 1 50
Castor Oil, No. 2 Diamond in cases per gallon	— 90
" " " barrels "	— 85
Linseed Oil, Boiled	— 85
do. Raw	— 83
Cocoa Oil	— 55
Hops, California	5 — 8
Hops, new	25 — 33
Alfalfa	10 — 12½
Mustard Seed	5 — 10
English do.	4 — 5
Canary Seed	2½ — 3½
Coriander Seed	8 — 10
Broom Corn	3 — 5
Bees Wax	23 — 25

California Leather Market Report.

The condition of our *Leather, Hide* and *Tallow market* show hopeful improvement, and a prospective better future for our tanners and stock men, each and all these are firm in price with an improved demand.

California Sole Leather	22 — 28
do. Harness do.	28 — 30
do. Skirtings,	30 — 37½
Bridle Leather	44 — 65
Rough do. Oak Tanned	18 — 22
WaxedCalf Skins	50 — 1 00
do. Kips do. per dozen	80 00 — 85 00
do. Leather per foot	13 — 15

Wool, Tallow, Hides, Etc.

The *Wool market* has been infused with new interest by an upward tendency in price, quicker sales, and a certainty of better markets in the future. There is but little stock in this market—and as our manufacturers are now doing better, and expecting to do better still, this great wool interest can be said to have a cheering look ahead.

Wool, Spring Clip,	20 — 22
do. Choice Extra	25 — 28
Fall Clip	16 — 18
Oregon Wool, per lb	26 — 28
Eastern Oregon	17 — 20
Medium, bright	16 — 20
do. Burry	12 — 15
Goats' Wool (mohair)	30 — 75
Dry Hides, per lb	18 — 19
Green Salted, per lb	8 — 9
Deer Skins	50 — 1 00
Sheep Skins, wool on	1 50 — 5 00
do. do. plain per dozen	50 — 1 00
Goat Skins, each	5 — 5½
Tallow various grades	7 — 8
Tallow, refined	

Average Slaughtering Prices.

The cattle interest is one of the great interests of our State, their value is millions, at present the wholesale rates are low, and the sale is large—even with the large stock of cattle in our State, large numbers are driven to our State from other parts of the coast, thus affecing our market, the present price is low as our rates show.

Beef, American, 1st. quality	5 — 6 cts
do. do. 2d. do.	3 — 4 do.
do. do 3d. do.	3½ — 4 do.
Veal	5 — 7 do
Mutton	2½ — 4 do
Lamb	4 — 6 do
Pork, Undressed	3 — 5½ do.
do. Dressed	4 — 5 do

PACIFIC MAIL STEAMSHIP CO.

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For SYDNEY and AUCKLAND via HONOLULU October 27th, and every fourth week thereafter.

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports; also, HAVANA and all WEST INDIES ports on 5th and 19th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

47-5

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49:16

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322 DAVIS STREET,

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FREE GIFT! A copy of my Medical Common Sense Book will be sent to any person afflicted with Consumption, Bronchitis, Asthma, Sore Throat, or Nasal Catarrh. It is elegantly printed and illustrated. 144 pages, 12mo 1879. It has been the means in the providence of God of saving many valuable lives. Send name and post-office address, with six cents postage for mailing. The book is invaluable to persons suffering with any disease of the Nose, Throat, or Lungs. Address Dr. N. B. WOLFE, CINCINNATI, O.

49:16

C. P. R. R.

COMMENCING

SUNDAY, JUNE 6th, 1875,

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma. (Arrive 8:55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 5:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 8:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 9:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Caliente and Los Angeles Also at Niles with Train arriving at San Jose 6:55 P. M. (Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 6:00 A. M., daily. (Arrive 3:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND.

"Daily"—7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M.; 12:00, 1.00, 2:00, 3:00, 3:30, 4.00, 4:30, 5:00, 5:30, 6:00, 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.

"Daily, except Sundays"—6:10 A. M. and 11:45 P. M.

"Sundays only"—10:30 and 11:30 A. M.; 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4:00 5:00 6:00 and 10:30 P. M.

"Sundays only"—11.00 A. M., and 1:30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 8:00 and 10:00 A. M., 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—7:30, 8:30 and 9:30 A. M.; 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—6:30, 11:00 A. M. and 11:45

"Sundays only"—10:30, 11:30 A. M. and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 and 10:10 P. M.

"Daily, except Sundays"—5:10 and 6:50.

"Sundays only"—11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:03 and 9:00 A. M.; 3:00, 3:58, 5:00, 6:08 and 7:03 P. M.

"Daily, except Sundays"—5:00, 5.40, 11:30, A. M., and 1:30 P. M.

"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—6:55, 8:00 and 11:05 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily" 6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M.; 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:30, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays" 5:20 A. M. and 1:50 P. M.

"Sundays only"—10:20 and 11:20 A. M., 12:20, 1:20 and 1:35 P. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

SUMMER ARRANGEMENT.

Commencing Monday, April 21, 1879,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows:

8.20 A. M., *Daily* for San Jose and Way Stations. Stages for Pescadero (via San Mateo) connect with this train only

9.30 A. M. *Sundays only* for San Jose and Way Stations. Returning, leaves San Jose at 6 P. M.

10.40 A. M. *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Salinas, Soledad, and all Way Stations.

AT PAJARO the SANTA CRUZ, R. R. connects with this train for Aptos, Soquel and Santa Cruz. At Salinas the M. & S. V. R. R. connects with this train for Monterey. Stage connections made with this train. (Pescadero Stages via San Mateo excepted.)

Parlor Car Attached to this Train.

(SEATS AT REDUCED RATES.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, Pajaro, Hollister, Tres Pinos and principal Way Stations.

SPECIAL NOTICE—The trains of the Santa Cruz R. R. and the M. & S. V. R. R. which have been connecting with this train on Saturdays at Pajaro and Salinas respectively, have been withdrawn for the season. Those intending to visit Aptos, Soquel, Santa Cruz or Monterey, will take the train leaving San Francisco at 10:40 A. M., daily.

3.30 P. M. *Sundays only* for San Jose and Way Stations.

4.25 P. M. *Daily Sundays excepted* for San Jose and Way Stations.

5.00 P. M. *Daily Sundays excepted* for Menlo Park and Way Stations.

6.30 P. M. *Daily* for Menlo Park and Way Stations.

Excursion Tickets at Reduced Rates

To San Jose and intermediate points, sold on Saturdays, and Sunday morning, good for return until following Monday inclusive, as follows.

Baden	$0.50	Fair Oaks	$1.50
San Bruno	0.50	Menly Park	1.00
Millbrae	0.85	Mayfield	1.75
Oak Grove	0 90	Mountain View	2.00
San Mateo	1 10	Lawrences	2.25
Belmont	1.25	Santa Clara	2.50
Redwood	1.40	San Jose	2.50

Also, EXCURSION TICKETS to Aptos, Soquel, Santa Cruz and Monterey, sold on Saturdays only—good for return until the following Monday inclusive.

SECOND-CLASS FARE.

Between San Francisco and San Jose, - - $1.00

On Freight Trains only, leaving *San Francisco* at 4.00 A. M., and *San Jose* at 8:30 P. M. (daily Sundays excepted).

Principal Ticket Office—Passenger Depot, Townsend Street. Branch Ticket Office—No. 2 New Montgomery Street, Palace Hotel.

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 11 00 P. M. daily, and making close connection at GOSHEN for Summer, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton, Colorado River, YUMA and CASA GRANDE. (182 miles east from Yuma.)

Will it Bite?

Try and See! 10 cents and stamp fetches the "Critter." It will make you laugh. Remember it is only 10 cents, and stamp. Box 499, Sandwich, Illinois. Mention this paper.

49:15

1854. 1879.

THE

CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its twenty-fifth year with 1878, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD the AGRICULTURAL and HORTICULTURAL interests and enterprises on the ific Coast, this is no vain boast, but the simple truth.

The proprietors of the LIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on this Coast—this was at Sacramento in the year of 1858, and also the GRAND FAIR at San Francisco in 1859—both these Agricultural Fairs were planned, maintained, and conducted successfully as an individual enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

THE CALIFORNIA FARMER was the first and only advocate of SILK CULTURE, TEA CULTURE, COFFEE CULTURE, COTTON CULTURE, and of the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS, and this was in early years when the masses lightly esteemed all such enterprises.

THE CALIFORNIA FARMER was the first and only advocate for the planting of the ALFALFA as a forage plant, and the first to introduce the seed and its culture, and not only this grass, but all other valuable grains and forage plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STONING WHEAT, of SUMMER FALLOW, of SUBSOILING, and of DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL—doctrines that have now, after long years of trial become the basis of true and successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE OF AGRICULTURE, which such years of labor merit, our JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

The TERMS OF THE CALIFORNIA FARMER being placed at a low price, should induce, as we trust it will, a generous addition to our LIST OF SUBSCRIBERS for the year of 1879.

Desirous of placing this old PIONEER AGRICULTURAL JOURNAL, (The only exclusive AGRICULTURAL JOURNAL of the Pacific Coast), before the people at so low a price that all can have it, we make the following

Terms for the Year 1879.

And With Seed Premiums.

Single Copies,	$1 00
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Ten Copies,	8 00
Twenty Copies,	15 00
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California Farmer.

1879.

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We propose for the year of 1879 to offer to our Patrons the following valuable JOURNALS in connection with our own, all at reduced rates, so as to give them the best works at low rate—(all postpaid). Price per year.

The FARMER and VICK'S MONTHLY MAGAZINE	$1 50
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The FARMER and PHRENOLOGICAL JOURNAL	3 00
The FARMER and AMERICAN BEE MAGAZINE	3 00
The FARMER and SCIENTIFIC AMERICAN	7 00
The FARMER and HARPER'S MONTHLY	7 50
The FARMER and HARPER'S WEEKLY	7 50
The FARMER and HARPER'S BAZAR	7 50
The FARMER and HARPER'S THREE WORKS	10 00

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CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, NOVEMBER 20, 1879. NO. 19.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

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☞ Our full Advertising Rates will be found on the SEVENTH PAGE.

All Letters on Editorial Matters to be addressed to COL. WARREN, Editor.

☞ All Letters on Business connected with the Office should be addressed to

WARREN & CO., Publishers.

EUROPEAN.

From our Special Correspondent.

PARIS, FRANCE, 1879.

GREEN FOOD—HARVEST MACHINERY.

Those interested in the problem of the preservation of green soiling in trenches, will be glad to learn that the popularizer of the plan, M. Goffart, has published a second edition of his manual—the first having appeared only last year. In the present edition the author furnishes replies that he has given to numerous correspondents, as well as additional facts and hints, resulting from his increased experience and extended practices.

There is a great demand on the continent for sound and cheap agricultural machinery, farmers are dis-inclined to earn hereafter their bread by the sweat of their brow, they demand human labor-saving machines. It is thus that the scythe and the sickle are disappearing before the horse mower and reaper—the latter does its work so cleanly, that no gleaning is left for Ruths. It is quite common now for machinery by foreign manufacturers to be exhibited at ordinary fairs, and it is a well-known fact, that the locality which invests in a reaper is certain to have numerous imitators.

TAXING GRAIN MACHINERY FREE—FREE AGRICULTURAL MACHINERY.

For the moment the agriculturists of France continue to be as occupied, as they are divided, in the question of taxing imported grain—chiefly from the United States. The general people will not listen to any duty being placed on such a food supply, and the government thinks similarly. In the mean time a most important inquiry is being conducted under the auspices of the National Agricultural Society of France, to arrive at an exhaustive and sincere knowledge of the wants and drawbacks of farmers. Instead of taxing foreign wheat, the disposition is to aid the farmer by allowing farming implements and raw materials suited to his business to enter the country as cheaply as possible. Then some legislation is taking place, by which the immigration of the country population to the towns will be discouraged, and more hands thereby secured for the fields. Agricultural education has been well treated by the legislature. In three years years every department of France will have its chair of agriculture and normal farm school, the professor will make a series of tours as a practical lecturer, the State will pay his salary, and the locality his traveling expenses. In addition, in six years hence, instruction in the elements of agriculture will be compulsory in every primary school.

THE PHYLLOXERA—BEET SUGAR INTEREST.

The phylloxera continues its ravages, and the vineyard proprietors are not in the least discouraged in fighting the pest. There has been nothing new revealed in the way of cures, save, that in employing the sulphuret of carbon, it has been found to act more efficiently when placed at a distance of one foot from the main root—two holes suffice for a square yard. Much attention is given to the doctoring of wines, growers in the south demand, that the duty levied on the alcohol employed to give body to their wines, so as to enable them to stand exportation, be reduced, for the wines of the last and centre of France, which are naturally acid, sugar is employed, which corrects this defect, while the ensuing fermentation imparts an alcoholic or ether flavor to the wine; hence, a demand to lower the duty on sugar thus employed. The prospects of the beet crop are not encouraging this year, the season is very late, and unless seed be employed, famous for its sugar richness, other principles may be developed in the bulb. France produces double the quantity of sugar that she consumes, yet manufacturers, despite the drawbacks, they enjoy veritable bounties, demand that the duties be reduced 50 per cent.

FERTILIZER FRAUDS—AUSTRALIAN INTERESTS.

The frauds in fertilizers this season has been very great, despite the facilities for obtaining analyses at a nominal fee, and the existence of so many respectable dealers. The farmer want credit, and so is at the mercy of his seed merchant.

The French government intend opening up commercial relations with the Australian colonies, etc., M. de Sangrion, professor at the Agronomical Institute of this city, has been delegated to examine and report in the colonies.

[CONCLUDED].

S. H. KENNEDY'S M'F'G CO'S SHEEP DIP.

Mr. S. H. Kennedy, of Omaha, Nebraska, recently visited Oregon to introduce their sheep dip, said to be the best remedy for "scab" in the world. The Tobacco Sheep Dip is made from the best Kentucky leaf, The virtue of the tobacco is extracted by pure hot water. The effusion thus made is evaporated from 20 degrees of strength to 250, which makes an article of uniform strength and purity; without the addition of poisonous substances, and should be diluted 100 parts to 1 (although safe to use at any degree of strength) for dipping sheep.

The dip is convenient for use as it only requires water to dilute it. As tobacco is so well known to wool growers who have used the same, we can only add that it is put up in convenient form for them, being in one and five gallon tin packages sealed tightly.

The virtues of this sheep dip are set forth in the following letter to Mr. J. McCraken, the agent for the dip in Portland, Oregon.

WALLOWA, Union County, Oregon.

J. McCRAKEN—*Dear Sir:*

You doubtless remember requesting me to report to you the effect of the use I made with S. H. Kennedy's Manufacturing Co.'s Sheep Dip on my sheep. I am glad to report to you that my sheep are now clean and show no signs of any skin disease, and after waiting nearly a year to see whether they would break out again with the "scab," I am now willing to say that S. S. Kennedy's Manufacturing Co.'s Sheep Dip is *the remedy* for "scab" in sheep. I did not receive the dip in time to dip before shearing, and on account of the Indian raid, I could not move my flock on a new range, and in fact did nothing according to S. H. Kennedy's directions, but it cured my sheep, and this is the way I did it:—Received 10 gallons dip May 20, 1878, sheared 677 head, did not shear the lambs of 300, and on June 1, 1878, with three men, I dipped 967 head in one day in a small vat just large enough to hold two sheep, and used 2½ gallons of the dip, and moved them on a new range for twelve days, then dipped the second time and turned on the old range. Two men did the work in one day, (not very thorough), and used 2½ gallons of dip. The sheep run on the old range and slept in the old corrals until the 15th of August, 1878, when I dipped the third time, and on the 28th of August, 1878, I dipped the fourth time. I used the dip cold. I did not lose a sheep by dipping. I believe from experience that S. H. Kennedy is correct as to the disease commonly called "scab" in sheep, the time, mode and remedy to eradicate the disease. And Kennedy's Manufacturing Co.'s three dips is the best remedy for scab and the cheapest. Yours, etc.,

J. F. JOHNSON.

S. H. Kennedy's Manufacturing Company manufactures three sheep dips, and he is also introducing a cheap form of bath for sheep, which farmers can put up for themselves. It takes away all danger of injury by plunging, and costs, with the dip, less than one cent per head for dipping.—*Willamette Farmer.*

THE BLUE WRAPPER.

Several of the Eastern Magazines and Newspapers have recently adopted the plan of sending to those who are *delinquent*, their papers done up in a *blue wrapper*, thus clearly reminding them of their great forgetfulness, and giving them an opportunity to perform a duty to those who are at work to provide their *mental food*.

This plan is now so well known to *Postmasters* that a delinquent subscriber is soon known, should any of *our* subscribers receive a *blue wrapper* they will understand that they can send a bit of blue sky across the *Editor's* path by a prompt attention to this *gentle reminder*.

WASHINGTON.

From our Special Correspondent.

COL. WARREN—*Dear Sir:*

It seems certain the merits of our various and ever recurring Indian quarrels will never be known. The suffering and expense they cause are not realized by any, though that they are unquestionably great is known to all. Originally, the Indians were in charge of the War Department, and a proposition to restore that order of things, as is known, has been discussed and investigated by Congress. It will again be considered at the next session, and I am of the opinion that the transfer will be carried. It is said, and with much force, that the present system of divided responsibility between the War and Interior Departments increases the occasions for disagreements between the races, and prevents that promptness always so necessary in dealing with the Indians. The argument against transfer, that wars were as numerous and bloody while the War Department had charge of Indian affairs, loses much of its force when we consider that the apparent occasions for them, arising out of circumstances over which the department had no control, were out of all proportion to those which now exist. At any rate, Congressmen will be apt to believe that a change can make matters no worse, and will vote for it.

Senator Morgan, of Alabama, just returned from California, confirms the views taken by your correspondent of the Grant reception, viz: that it is not in any appreciable degree a political one. He says, "There are a great many gentleman from the South in San Francisco, (ex-Confederates,) and they were as earnest in the matter as the straightest Republican. There were people present who were connected with Gran's administration, and they sought to make capital out of the reception by being prominent in it, but they were quietly left out in the cold! Not one was put on a committee or invited to a meeting. The reception was a tribute to a distinguished American returning from abroad, and was made an ovation by the enthusiastic State pride of the Californians, determining to rival a sister city in her hospitalities to the late General."

These are the facts, any citizen, no matter of what section or party, can well afford to join in such a celebration. Any attempt to make political capital from such a celebration ought to be and will be stopped.

A favorite Atlanta military company, the Gate City Guards, will arrive in this city this evening on its way North. It will visit all the principal Eastern cities, and has from all of them assurances of hearty welcome. MERRILL.

AUSTRALIA.

Editors, strangers and citizens from the Eastern, the Middle, or Southern States, also Editors over our own Coast who may desire to see or refer to their own Journals, or any Agricultural or Horticultural Journals, will always find them on file in the FARMER READING ROOM, to which they are always bid welcome.

A Large Library also, for *General Reference.*

Australia and California

We have full files of Australian Papers from all parts of Australia, showing the great interest they take in this Country, one thing of great moment, is the "Steamship Line," it is of vital importance to the welfare of the Colonies, and so vastly important to the Pacific Coast in the great trade that can be built up between the Colonies and California, if our Merchants do their duty.

ONE HUNDRED Journals are arranged on file for the convenience of all who may desire to peruse them. We have as follows:—

The Sydney Morning Herald, Sydney.
" *Town and Country*, Sporting Paper, Sydney
" *Australasian*, Melbourne.
" *Weekly Times*, "
" *Adelaide Observer*, Adelaide.
" *Queenslander*, Brisbane, Queensland.
" *Week*, " "
" *Capricornian*, Buckhampton, Queensland
" *Port Dennison Times*, Port Dennison.
" *Wide Bay and Burnett News*, Queensland.
" *Darling Downs Gazette*, Toowoomba, "

Many of these Journals are of the largest size, from 20 to 38 pages, several, splendidly illustrated with views of the Public Buildings, Landscapes, Public Men, Stock, etc.

CONTRIBUTIONS FROM QUEENSLAND.

We Invite all our readers and our citizens especially who are interested in our MANUFACTURES and the MECHANIC ARTS, and our AGRICULTURE, to visit the FARMER Office and see the RICH PRODUCTS brought from QUEENSLAND by the Commissioner, they are now on Exhibition open to all, in the READING ROOM and MUSEUM of the CALIFORNIA FARMER OFFICE.

The Grant Military March.

We have received recently from M. Gray, Esq., a copy of a new and splendid military march which was composed expressly for the arrival of General Grant by D. Speranga, and dedicated to Gen. James Coey, our worthy Postmaster, as well as a good General in military tactics.

This march was issued by M. Gray, Esq., music publisher, Post Street, and will undoubtedly be very popular.

WHY NOT COME TO CALIFORNIA?

Thousands of people are now asking why the great masses of immigrants from Europe do not come to California instead of Texas, Minnesota, Michigan, Colorado or Dakota, all these places having of late years grown very rapidly and increased largely, while California has almost stood still.

Texas has increased her population nearly 1,500,000 in three years, while California has not increased her population 300,000 in five years, why should not our State grow as rapidly as those we have named?

California has greater and better inducements for the immigrant by a much better climate and a richer soil, and a nearer market to Europe for all the great staple commodities grown so abundantly here.

The attention of all immigrants from Europe that land at New York, their great headquarters on arriving from Europe, is quickly called by the State agents and land owners and speculators in lands from all these sections, and the immigrant has placed in his hands maps and glowing descriptions of Texas cheap lands, Dakota, Colorado, and Arizona, and various schemes are laid before the immigrant to win his attention and lead him to these places with tempting offers by agents of land companies, always on hand to meet all immigrants.

And where is California all this while? our State has no agents there to show up the superior advantages of our "Golden Land"—her sunny skies, her rich soil, her freedom from storms and pestilences, and the best and most healthy climate on earth.

The reason why California is thus left out in the cold is, our Legislators seek only for office and its emoluments, they do not give time and thought to the upbuilding of the State; had the Legislature of this State given $100,000 a year for the last ten years, for the purpose of sending abroad maps and statistics of the wealth and capacity of our State, so as to invite the immigrant to our *State*, had our State adopted wise measures to take care of the immigrants and their families when they did arrive, and save them from "Land Sharks" and "Land Speculators," and offered immigrants BOUNTIES as other States have done, had our State been as active as Oregon has been, California to-day would have had a population of 3,000,000 people, instead of the small figures of some 800,000 white people.

California will never have a healthy and prosperous increase in her population until our State authorities shall assume a PATERNAL CARE of the State and its true interests, and this never will be so long as party considerations rule the majorities in power.

The admirable statistics compiled at the "National Bureau of Statistics," under the careful and attentive supervision of Joseph Nimmo, Esq., the Chief of the Bureau, presents a clear view of this subject, showing whence come all the immigrants to our country, and where they land and their nationalities.

The last year to June 30, 1879, the number of immigrants were 253,210, of which 141,932 landed at New York; 33,421, Huron, Michigan; and only 13,620 in California, and of these 9,604 were Chinese.

We select a few of the occupations and trades of this quarter million of immigrants:

Farmers, proper	19,907
Farm laborers	1,902
Miners	2,472
Merchants and dealers	4,861
Carpenters and joiners	2,759
Gardeners	260
Dressmakers	287
Butchers	710
Cabinet makers	358
Blacksmiths	911
Millers and mechanics	992
Bakers 636, brewers 236, and masons 871	1,743
Painters 450, shipwrights 1,119	1,569
Tailors 1,062, weavers of silk, etc., 513	1,575
Tobacco and cigar manufacturers	478
Engineers 626, tinners 105, machinists 208	939
Millers 206, stone cutters 113, weavers 503	822
Clergymen 320, musicians 341, artists 140	801
Physicians 120, teachers 203	323
Milliners 54, seamstresses 166	120
Weavers	503
Watch and clock makers	149
Servants, general	6,804
Peddlers	162
Railroad men	141
Students	187
Without occupations	80,875

The New Eucalyptus Seeds.

NURSERYMEN AND ALL OTHERS who desire to plant the NEW and CHOICE KINDS of the EUCALYPTUS TRIBE, of which there are nearly TWO HUNDRED NOW DESCRIBED, can be supplied with very choice fresh seed of TWENTY-FIVE VARIETIES never before offered for sale on our coast.

We have also received from Australia a very large and fine collection of Ornamental Tree and Shrub Seeds, which are most desirable to introduce upon the Pacific Coast.

In order to scatter them widely, and thus have them extensively grown and more widely disseminated, we shall put them up into collections of *ten parcels each*, and mail them to order, at $5 each collection. Address

WARREN & CO.,

320 Clay Street, - - - San Francisco.

NEW YORK WOOL CIRCULAR.

Messrs. Coates Brothers, wool dealers of Philadelphia, says —

Since our issue of the 15th ultimo wool has again advanced and markets have been characterized by by unusual activity and excitement. The recent advance on some grades have been very marked. Although the previous activity has demonstrated the scarcity of domestic wool, yet consumers felt confident of being able to supply their wants from the foreign markets which have heretofore ruled low in price, but late advices from abroad show an advance there which will prevent certain competing kinds of foreign from being imported, and this fact has had the effect to at once advance domestic here. Desirable fleeces are now in small supply and sell readily at good prices. Tub washed and pulled wools are closely sold up. Unwashed wools are scarcely to be had. Territory wools are wanted at fully advanced prices. Colorado and New Mexican Spring wools are nearly out of stock and Fall has not arrived here yet to any extent. The outlook for Fall is very promising at strong prices. Manufacturers are very busy and are continually refusing orders for goods.

CALIFORNIA FARMER IN AUSTRALIA.

We have been highly gratified and most gratefully thankful for a very flattering and generous notice of us personally, and of our efforts for the Cause of Agriculture in the days of its infancy on this Coast, by kind words from Australia.

The generous words which we copy here, we found in the Queensland *Magazine* which was recently issued in Australia, we were surprised as well as grateful, and duly appreciate the kind notice of the author of the *Magazine*—our friends of 1852 and '53 can well remember those days of our early efforts at the Fair at Sacramento in 1852 and also the first Agricultural Fair given by us in this city in 1853 at the Music Hall on Bush Street, the seed then planted was not lost, for our State and this great interest has now become one of the wonders of the age.

That *Magazine* thus speaks:

"In introducing to the notice of our Australian friends, a few of our American cousins, "men who have made their mark, not only in America, but some of them in many other lands, I mention first Colonel Warren, the editor and proprietor of the CALIFORNIA FARMER newspaper. In the time of the gold fever, Colonel Warren arrived with some of the old pioneers of settlement, while there was little or no settlement but the wandering miner, he with his keen eye for observation saw it was destined ere long to become the home of a prosperous agricultural people, and that its rivers and seas would soon be navigated by ships laden with the richest produce of the earth.

A large, neat, and handsome Descriptive Catalogue of fruit and ornamental trees, grape vines, shrubs, roses, dahlias, seeds, in endless variety, was published as early as 1853, in Sacramento, by Warren & Co., being the first catalogue of the class, published on the Pacific Coast. Settlement in new countries is generally very up-hill and slow work, and proved to be much too slow for the Colonel's impetuous nature. Astonished that everybody did not see with his eyes, and go into cultivation at once, to enlighten them towards the best means of doing it, he opened a *Hall or Museum of Horticultural and Natural Science*, and then established the CALIFORNIA FARMER, a newspaper devoted to agriculture. After twenty five I know of few, if any, newspapers in any part of the world that might be more welcome to every family; its contents are of a very high character, and nothing whatever low, offensive, or questionable has ever appeared in its columns.

Agriculture, being one of the most noble and honorable occupations of mankind, much information, in connection with both it and Horticulture, is ever found in its pages. Labor-saving machinery, new seeds, new plants, new trees, anything, and everything to benefit California, have been prominently advanced by the Colonel. He was one of the first to introduce from Chili the "Alfalfa or Chili Clover," which has proved of such utility in California for twenty-five years—a plant which is destined before many years to be the leading fodder and hay-producer of Queensland. He was also the first to plant our Australia eucalyptus seed, and distributed the trees over the State in thousands.

As an advertising medium, we can honestly recommend the CALIFORNIA FARMER, published at 320 Clay Street, San Francisco. The paper, with all information, can be obtained through the proprietor of this *Annual* at Warwick.

The Queensland Magazine.

This excellent *Magazine* which has been recently published in Australia (at Brisbane, Queensland) by David Clarke, Esq., the popular Seedsman and Chemist, and also the author, manufacturer and Patentee of the FAMED EUCALYPTUS REMEDIALS that are now popular all over our country, is a *Magazine* that contains a large amount of valuable information about Australia much needed to arouse the people of the Pacific Coast to the great SYDNEY EXHIBITION, now about to open, and to continue six months.

This Magazine is finely illustrated and contains a large number of advertisements of our largest and most influential merchants, who are securing a good trade in Australia, this trade should be secured by all our merchants, copies of magazine at our Office—see advertisement in our Columns.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have grain to sell and to keep.

AGRICULTURAL STATISTICS.

[We give some very interesting and important data relative to the interests of agriculture, presented to Congress at the last session, as noted below.—Ed. F.]

Upon the resolution of Senator Davis to promote agricultural interests, Senator Paddock of Nebraska, brought out some facts, both interesting and instructive. Quoting from his text from "What I Know About Farming," he endorses the late Horace Greeley, in his estimate that $100,000,000 is doubtless too small an estimate for losses by insects during the year. The cotton worm in 1874 cost the country $20,000,000 in a single week. The chinch-bug in 1871 cost the Northwestern States $30,000,000, and in 1874 the loss was double. The Rocky Mountain locust in three successive years, 1873, 1874 and 1875 cost $200,000,000. Professor Riley, who has spent some years among these insects of the West, estimates that $300,000,000 would not cover the loss of these ravages. Diseases among swine swell our losses to $30,000,000 more. Professor Low, of Cornell University, estimates that we have 90,000,000 head of farm stock, averaging $200,000,000 at the mercy of plagues.

Fully that amount has been lost in the various countries of Europe. Those figures speak eloquently for remedies. The Government must take hold of these questions; it must develop preventives and protect capital thus invested. The Senator took up also the forest question, and showed some figures worthy of record. Health, as well as material interests of our country demands that we should look seriously into the matter. The old world by bitter experience, had learned that it was not safe to wage war against the forests, and hence now there is a Governmental protection, which the country must learn to imitate.

There is a direct relation between plants and animals, which man ought not to be permitted to disturb. The carbonic acid breathed out of millions of lungs must find vegetation and foliage to drink it in, or it will become a dangerous factor in the spread of diseases. Forests modify our temperature, and their total destruction leads to barrenness and desolation. The consumption of wood in this country is enormous, and unless tree planting be resorted to, our fences, ties, lumber, building materials and fuel will leave us a woodless expanse, at the mercy of winds and howling tempests. With over 80,000 miles of railroads, the number of ties annually required is not less than 150,000,000, which requires 80,000 acres of timber to furnish them. The fences of this country cost $1,700,000,000, with an annual outly of $198,800,000; our telegraph lines use two million trees.

The Senator wants to see the sphere of the Department of Agriculture enlarged, The Signal Bureau, different geological surveys, all that relates of geology, meteorology, mineralogy, fisheries, all should come under its jurisdiction. He suggests further, that a National Academy of Agriculture, similar in its features to West Point Military Academy be instituted, where graduates can be sent out to the different Agricultural Colleges of the country. One more difficulty meets the farmer of the West; a market and transportation for his productions. He suggests a great national trunk line or a ship canal to connect with the great lakes and rivers of the West. Our high duties upon products of South America have driven those articles to England. He thinks a free trade the surest and most successful for all concerned.—J. D. Warfield, in *Maryland Farmer*.

The Coal Value to Pennsylvania.—The coal industry of Pennsylvania has reached enormous proportions, the annual product being valued at fifty million dollars. The first coal mined, amounting to a few hundred tons, was sold in Philadelphia in 1813 for twenty-one dollars a ton.

The Horses of the World.—The number of horses in the world is estimated at about 58,000,000, of which number the contingent of Russia is about 21,750,000; that of the United States, 9,504,000; the Argentine Republic, 4,000,000; Germany, 3,352,000; Canada, 2,264,000; Great Britain, 2,225,000; Hungary, 2,179,000; Austria, 1,367,000; Turkey, 1,100,000; France, nearly 3,000,000, etc.

France has the largest wheat area, in proportion to population, of any country in Europe; but while England's average wheat yield is from 28 to 30 bushels per acre, that of France is only 15½. An increase of one bushel an acre there would amount to 16,000,000 bushels. This small yield is attributed to poor cultivation, and, in the South, to the dryness of the climate in spring.

A new industry is that which a Portland Maine, Company has established by introducing a new process, by which are to be made barrels, kegs, tubs, pails, boxes, mouldings, etc., being compressed solid or whole from the pulp, producing articles of unequaled strength and utility, and impervious to air, water, oil or acids of any kind, and, when required, fire-proof as well.

A Free Book of nearly 100 large octavo pages for the sick. Full of valuable notes on Scrofula; Diseases of Women; Aches and Pains; Heart Troubles and a great variety of Chronic Diseases, with evidence that in most cases, these diseases are curable. Sent for one stamp.
Address MURRAY HILL PUB. CO.,
No. 129 E. 28th Street, N. Y.
16:9

THE HOP MARKET.

The following is the report of Emmet Wells' weekly hop circular:

Receipts and exports for the week are nearly equal. The prediction in our last issue of an advance have been more than realized. Considerable excitement prevails in the hop-growing districts, caused by several of our leading shippers paying 40c. for large choice lots. These prices appeared high several weeks ago; but from late foreign advices received here, there can be little doubt that full figures will be maintained. The reason we do not quote above country prices, is because parties who have fine shipping hops do not offer them.

RECEIPTS AND EXPORTS.

Receipts for the week	7,909 bales
Total receipts since Sept 1, 1879	29,214 "
Total receipts for same period in 1878	7,293 "
Export clearance for the week	7,378 "
Total exports since Sept. 1, 1878	25,501 "
Total exports for same period in 1878	1,491 "

LONDON, ENGLAND.

The market for our hops has experienced a slight check this week, the brewers hardly realizing the shortness of the crop, and are holding off for easier rates. Choice parcels are eagerly bought, all others being comparatively rejected. American hops are in good demand here and if current rates pay shippers, a large business must ensue.

COOPERSTOWN, NEW YORK.

Hops have been selling quite freely all through the hop district of this State during the past week at 32 to 36 cents. A great many growers had set their figures at 35 cents, and when offered that price accepted it. The orders came mostly from shippers, and it is believed that England will take all the fine hops we have to spare at even higher figures than have yet been paid. American brewers have as yet bought only as they have needed hops for present use. If we are not greatly mistaken in the situation, some of them will be glad to get choice hops at 50 cents before the next hops are harvested. The export demand keeps up, and prices in New York are advancing. Forty cents will in our opinion be paid for choice hops within a few days.

P. S.—Are now selling at that.—*Journal*.

WHOLESALE CASH PRICE CURRENT FOR HOPS IN N.Y.

	Cents per pound.
New York, new crop	30 to 40
Eastern, new crop	30 to 33
Wisconsin, new crop	30 to 30
Yearlings, growth 1878	7 to 18
Olds, all growths	4 to 10
Pacific Coast Hops, growth 1878, nominal	9 to 14

ENORMOUS EXPORTS OF WHEAT.

From our numerous exchanges from home and abroad we condense the following data from our Eastern Exchanges:

Within the last two months there have been exported from the Atlantic seaboard cities to Europe 37,224,760 bushels of wheat, 2,861,532 bushels in flour, making a total of 40,086,292 bushels, and from the Pacific coast 2,800,292 bushels.—Such enormous shipments, if continued at this rate until February next, would exhaust the surplus supply in the market, and the price would rapidly advance. Already the market rate has risen here 13 cents per bushel, notwithstanding the fact that there have been received within the same period at the Atlantic ports from the grain regions about 50,000,000 bushels in wheat and flour, leaving an excess of supply on hand over exports about 10,000,000 bushels.

The annual estimate of the spring wheat crop of the northwest has just been issued. Reports from a section of country embracing over eight millions of acres show well. The yield is estimated at 12.92 bushels per acre, against 11.48 last year. The aggregate yield is estimated at 137,850,000 bushels, against 108,745,000 bushels last year.

America raises wheat 2,000 miles from her ports of export, conveys it by rail to the point of shipment, transports it over 3,000 miles of ocean to Great Britain, and sells it at a shilling a bushel less than it costs the English that grow it.

American Wheat.

The British farmers are generally coming to the conclusion that they can buy American wheat cheaper than they can raise their own, and that it behooves them to plant something else that will pay them better. Relieved of the burden of raising wheat, the British farmers will probably turn attention to vegetables. Certainly England will be much better off when she can buy these two great items of consumption, beef and bread, cheaper than she can produce them, and there is certainly a demand for other crops that cannot be purchased abroad, on account of their perishable nature, sufficient to give employment to all the arable land of Great Britain.

The wheat crop of Illinois this year, according to figures received by the State Board of Agriculture, amounts to a total of 42,041,252 bushels, an average of nineteen and two-thirds bushels per acre, and is valued at $37,266,757, or an average of eighty-eight cents per bushel in the producers' hands. It is considered the largest and most valuable wheat crop ever raised in the State. The total land sown in wheat was 2,137,033 acres.

Wallace's Monthly.

This noted horse magazine comes to us regularly full of valuable and varied information, upon the interest of this noble animal.

The last number gives a long list of the sales recently made of noted horses, the prices varied from hundreds of dollars up to many thousands each, and also of all the late races and the time at all the great races of the year thus far. This monthly is illustrated with the horses "Glenco" and "Lexington" in good style, and with their histories, a valuable number.

"The Earl of Mayfield" has had a remarkable success. Its publishers, T. B. Peterson & Brothers, of Philadelphia, have already issued the fourth edition. The leading papers speak of it in the highest praise, and it has all the appreciation that the most sanguine expectations of the author could have anticipated. It is a decidedly popular romance. For sale by all booksellers.

SCIENTIFIC NOTES.

Some years ago there was dredged up from the bottom of the ocean some slimy matter, which the discoverers believed had the power of movement, Prof. Huxley examined specimens of it and declared it was protoplasm, the same transparent, glairy fluid which is believed to be the first living matter in plants and animals, and is contained in all the minute cells of which living things are built up. Prof. Huxley's followers, some of them, sprang to the conclusion that this living ooze covered all the bed of the ocean. Some hasty philosophers wanted to substitute it for a first great cause, as the origin of all life. Take Bathybius, as the slime was called, a few eternities of evolution, and behold! man. But Prof. Huxley, at the recent session of the British Association, admits that Bathybius, as a discovery, has disappointed him, and that he may be entirely mistaken in calling it an animal.

Prof. Crooke, of England, whose scientific work seems to be mainly on the border land of the visible world, has been lately making some wonderful experiments on radiant matter, which he claims to be as different from the gaseous state of matter as the latter is from the liquid. It has long been known that when sparks of electricity from an electro-magnetic apparatus are allowed to pass through a partial vacuum, a 'beautiful purple light fills the tube.' Prof. Crooke has found in such a case, there is a stream of molecules of air from the negative pole to the positive. He puts a little paddle-wheel on a railway in the tube, and the current rolls it along. Remember that at this time, the tube is only one-ten millionth full of air or gas. He puts in the stream a piece of glass and it shines with phosphorescense; concentrates the molecules upon a piece of platinum and it melts. But, perhaps, the striking fact is that the stream of molecules can be bent and moved about by a magnet.

It is difficult to tell a mushroom from a toadstool. Perhaps the only certain rule is that all that are not toadstools are mushrooms. It is certain, however that there are many edible species besides the common mushroom, merchella esculenta, or morel. They are part of a division of plants, intermediate, it might be said, between common plants and animals, and can, in part, take the place of animal food. The essential principles of meat gravy are found in mushrooms. To avoid unpleasant or fatal results in eating doubtful mushrooms, they should be cut up as soon as possible and soaked about two hours in water slightly sharpened with vinegar, and salt and pepper should be used abundantly.

Prof. Quatrefages, in a recent work, gives these reasons for a distinction between man and the lower animals:

1. Man has the perception of moral good and evil, independent of all physical welfare or suffering.
2. Man believes in superior beings who can exercise an influence upon his destiny.
3. Man believes in the prolongation of his existence after this life.

It is a curious fact that color-blindness is almost confined to males. Dr. Jeffries, in a late work, reports that of 50,000 males examined, .4 per cent. were color-blind, while of the 20,000 women whose eyes were tested, only .2 per cent. had this failing. As a rule, the daughter of a color-blind father will have perfect eyes, but her son will be likely to inherit the defect of the grandfather.

A few years ago Prof. Steere, of Michigan University, sent home from Peru, specimens of desert snails, which were supposed to be dead on arrival, and so the shells were gummed mouth down on a tablet. After three years, one happened to be loosened, and the snail began to crawl about as if little injured by its long confinement.

It has been found by Prof. Wilder that the amia calva, a fish found in Mississippi and the lakes, can respire by means of its swim-bladder. On one occasion a specimen was kept out of water for over an hour without any injury.

Prof. Arnold Guyot has been for some time surveying the Catskill range, and has discovered several mountains new to the maps. The highest peak in the range is the Slide mountain, 4,205 feet above the

According to Prof. Gray, eighty six of the common weeds in the United States have been brought over from Europe.

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"The desert shall blossom with the rose."

Foreign Correspondence.

POTASH AND PHYLLOXERA.

TAHITI, July, 1879.

COL. WARREN—*Dear Sir:*

In the weekly *Alta Californian*, of February 22, 1879, is a letter from Mr. C. A. Wetmore, dated Bordeaux, October 22, 1878. At the date of that letter Mr. Wetmore was traveling in France, studying the wine question, phylloxera, etc. In said letter among many other judicious remarks in regard to the phylloxera, he says:—

"The remedies may all be grouped under two heads. First—those which are directed simply against phylloxera. Second—those which come to the support of, or regeneration of the vine.

"Practically, it may be said that all insecticides fail in checking the plague. Only those succeed in part and in exceptional places which are accompanied by rich manures or improved cultivation.

"The best attested successes are where the soil is treated with compounds of potash and nitrogenous manures—but these fail where the plague is worst, and appears irresistible. They succeed often enough to demonstrate that the presence of potash and nitrogen assist the vine to resist the disease. Great results have been attained by the use of simple carbonate of potash, wood ashes, and sulfo-carbonate of potash.

"Let it be remembered that vines extract potash from the soil, which is not returned, and that vineyards are seldom well manured, and are generally in poor soils. 'Lands suitable for vines have been cultivated without resting for centuries.' The natural consequence is exhaustion of soils."

Thus we see, Mr. Editor, the result of the experience in France. The true nature of the disease; the causes of which originally produced it; the causes which aggravate it; the true mode of action of the potash to relieve or prevent it; the true nature of potash itself, and the proper modes of applying it under the various circumstances that may arise; and the knowledge of the true nature of soils, sub-soils, etc., and their effects upon the disease, are so little known, that those who use potash are like so many blind men, or men groping along in the dark. They do not know that an increased supply of carbonic acid gas to the plants makes it necessary that they should have an increased supply of potash, etc., as a plant cannot decompose and assimilate the carbon in that gas unless it has the other ingredients which must go with it to form any one of its products, for every one is composed of so much carbon, so much nitrogen, so much potash, etc., the proportion differing in different plants, and in the different portions of the same plant. This is the reason why potash applied without intelligence sometimes fails in producing all the good that might be expected from it. The heavy rains have washed it away from the plant, farther down the hill or deeper down in the subsoil, beyond the reach of the plant at the time said plant is overwhelmed with immense masses of carbonic acid gas, causing disease and the resulting phylloxera, notwithstanding it has had an application of wood ashes, or other form of potash. The potash, too, in many of its forms is so easily dissolved in water, and so easily carried away from the plant, that great judgment and care are necessary in its use. For this reason I would strongly recommend ground feldspar and similar potash-bearing rocks as fertilizers for soils exhausted of their potash, instead of using the more concentrated salts of said potash.

The ground feldspar, etc., can only be dissolved slowly, and thus returns its potash so that heavy rains cannot wash it away. The carbonic acid is the very material most active in dissolving said feldspar. Consequently, when the plant most needs the potash, that is, when it has absorbed a large quantity of carbonic acid gas from the air and from the water at its roots, that water is best prepared to dissolve that feldspar, etc., and force it to yield its potash to the plant, and in this manner, when the carbonic acid is most abundant, the potash will be yielded in greater quantities by the feldspar, etc.

In this connection Mr. Wetmore, without knowing the causes and the mode of action, has noticed in his travels and mentioned in another part of the letter I have quoted from in this article, the effect of pulverized rock upon the phylloxera and the diseased grape vines. He says:—

"I have observed one little singular fact, however, the importance of which should be studied. In nearly every place where I have seen the country devastated, the vines next to the road sides were generally looking well. This may be due to the enrichment of the soil by the crushed powder of the macadam, which everywhere covers the roads in France, or to other causes. Broken rocks, such as the roads are made of, is generally used as a fertilizer for vines. Next to the roads, the vines have an abundance of such fertilizing resources."

We thus see that the devastating plague can be stopped—that the phylloxera can be prevented—for, in the region where the "country was devastated, the vines next to the road sides were generally looking well."

In your paper of July 25th, of last year, I stated at the close of one of my letters that, "There is a fine opening in California, Nevada, etc., for the investment of capital and the employment of some of those who are forced to idleness by the increased employment of labor-saving machinery, in the quarrying, pulverizing, sacking, transporting and using the feldspar and other minerals that contain sufficient potash to pay the expense. This pulverized feldspar, etc., will make a fine fertilizer for those soils that are becoming exhausted of their potash. While other nations are sending around the world for guano, nitrate of soda, etc., you have an abundance of the finest fertilizer in the world."

You see that Mr. Wetmore has noticed in those regions where the disease is greatest in France, and the phylloxera most abundant, that those vines whose roots are enabled to penetrate among the pulverized rocks along the roads, are enabled to resist the phylloxera, and "look well" in the midst of the devastation. What more do you want?

Yours, etc.,
THOS. CROFT.

[Years ago this JOURNAL urged attention to those mining regions that had been worked over and deserted, as the very best spots in the State for vineyard purposes, having been deeply cultivated and were rich porous soils, and finely located for vineyards—now, we have new proof of these great advantages over all other places, will those who intend planting new vineyards look to this matter—these lands can be had cheap now.—ED. F.]

New Fastigiate Silver Poplar.

This, according to Professor Sargent, in the *Gardeners' Monthly*, has been called P. alba Bollena, in compliment to Dr. Charles Bolle, of Berlin. Several very finely grown specimens of this pyramidal silver poplar may be seen, it is said, in the public gardens of Tiflis, and as the garden was laid out and planted by a fugitive Persian prince, whose name it still bears, it is probable that this tree was originally brought from Persia. The fastigiate poplar is perfectly hardy, grows rapidly in any slighly moist soil, and is particularly remarkable for its habits and great size, completely dwarfing the Italian poplar with which it is associated. The bark, even in old specimens, is smoothed out as if it were polished; it is of a clear bluish green color, without spots or cracks. The ramification is strong and characteristic. The brilliant white of the lower sides of the leaves, which remains unchanged in its purity throughout the summer, makes a strong contrast with the dark green of the upper side, producing a striking effect, and rendering this tree visible at a long distance off. The wood of the fastigiate poplar is of finer quality and more highly esteemed than that of the other poplar. It is an ornamental tree of the first order, and can be highly recommended.

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In Trefoil there is no business passing. Alsike and Whites are steady in value. For Perennial Ryegrass a speculative demand is experienced; and very full prices are realised. Foreign-Italian, on account of its cheapness meets with more attention.

Of new Winter Tares the London market has now a fair supply; and good samples can be bought at about 11s. 3d. per bushel. Many farmers, however, prefer yearling Vetches; these range from 68s. to 70s. per qr.

Canary Seed is firmly held at the late advance; foreign holders are asking more money; and prices here are further hardened by an export inquiry.

There is a brisk demand for Blue Peas; for good samples growers can now obtain a long price. The dearness and badness of Potatoes improves the sale for Haricot Bean. Very bad accounts are received of the new crop of Mustard. Rapeseed keeps cheap.

Directions for Planting Tree Seeds.

All nut and hard shell seeds should be soaked in warm water, milk and water is better, and hot too, if convenient, soaked until the rind is softened, then placed in the earth as follows:

All seed of choice nut trees, or of ornamental and shade trees do better if planted in good sized boxes, and when 6 10 or 12 inches high to be transplanted where they are to grow.

THE SOIL AND PREPARATION.

Take of good rich loam (virgin soil) one-third, one-third sand, one-third very old decomposed manure, mix them thoroughly, then prepare boxes with holes in the bottom for drainage, fill these boxes two-thirds full of this compost, and plant the seeds, each in separate boxes, and in thickness according to the size of the seed, then sift over them good sand and loam only, about ½ to ¾ inches, and over this cover about an inch of sawdust, then sprinkle with a fine syringe or water pot, the sawdust keeps the surface from baking. Keep the boxes in a light and cool place, free from the sun (which dries the surface) till the seeds are up and show 2 or 3 leaves, then bring gradually into the sun and air.

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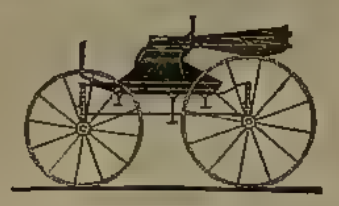

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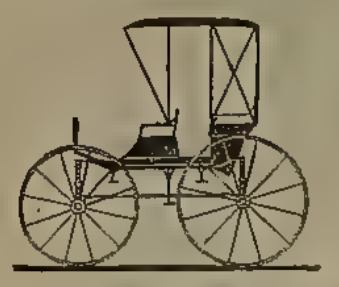

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Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurserymen, especially, who have NEW and RARE kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our JOURNAL circulates there to a large extent.
This is the season when Nurserymen should make known what they have for sale.
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The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, NOV. 20, 1879.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marble Building—Up Stairs.

FARMERS HEADQUARTERS - FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms, Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference, a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for ONE insertion, fifteen cents a line for any larger space. Each subsequent insertion ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞ Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

Editor's Chair.

THE CALIFORNIA FARMER,

NEW SUBSCRIBERS.

1880.

THREE MONTHS FREE.

We invite the attention of all who desire to favor us with their names as New Subscribers for the coming year to THE CALIFORNIA FARMER for

1880,

That to meet the state of the times, and with the view of giving them the advantage of the closing year's numbers, we offer them our Journal from October 1st to the close of 1880. Making 15 months for one subscription of

FOUR DOLLARS.

We will add as bonus the beautiful illustrated

VICK'S MONTHLY MAGAZINE,

AND FURNISH BOTH FOR

FIVE DOLLARS.

Home.—We give our readers a pleasant letter from our Correspondent "Jenny Dare" to "Alice" which will again call Alice from the bright spots of the Sierra Valley in reply.

"Children's Flower Show," "Balcony Gardening" and "Vick's splendid Magazine" and "Home Beauty" all should be read.

Our Poets' Column.—Philmore with his facile pen sends us a sketch of the "Jealous Wife" worth reading—also "To M. R. D." by E. A. M. and "You'll Never Guess" make up Home page.

Horticulture.—Our excellent Correspondent, Thos. Croft, Esq., from Tahiti, gives us a valuable Letter upon the *Phylloxera*, now the most noted pest of the world, Mr. Croft writes from knowledge, and his counsel is reliable, "The New Poplar" "London Seed Trade" "Planting Tree Seeds" all to be noted.

Miscellany.—"Locks and Keys" is a brief poem worthy a careful reading—"How to get a Good Dinner" with various items are on page 151.

Agriculture.—We have a very valuable series of statistics under this head on this page, also the "Hop Market" "Enormous Exports of Wheat," "American Wheat" "Scientific Notes" and various items to be read.

Our Front Page.—We give a valuable Letter from our Paris Correspondent—also our "Washington Letter" with valuable Wool Reports, etc.

Letters Received.—We have many valuable Letters from esteemed Correspondents both at home and abroad that we shall give in our next issue, serious illness crippled our labors and much has been put over to our next.

Ole Bull.

We rejoice to hear good news of this "Great Maestro" of music, which he draws with such grace and power from his violin.

By a very interesting letter we have just received from Professor J. J. Watson, of New York, manager of his concerts in California, (Mr. Watson is head of the musical academy 770 Broadway Street, New York City), we learn of his excellent health. Mr. Watson says:—"Our friend Ole Bull is here, he is well and plays as well as ever." We hope he will long be spared to send music and joy to many hearts, and we hope to see him and hear him again in our "Golden Land," and in the sunny skies of California.

WHAT OF THE HARVEST?

"How blest the farmers' simple life!
How pure the joy it yields!
Far from the world's tempestuous strife
Free 'mid the scented fields."

The poet sings the simple truth, when farmers truly appreciate their high calling and labor, then we shall have that calling only a source of joy and pleasure.

California can be said to have the most prosperous Harvest of any State in our Union, California has the largest and most extensive farmers.

The "Grain Harvest" this year will surpass that of several of the last years when all shall be reported, there is at this time a much larger surplus than has yet been supposed, and it is much to be regretted it had not been exported at the late "golden chance."

The *Harvest*, as we call all the productions of the earth are this year abundant, while the money value of the last *two months* has been materially increased in value, Grain, Wool, Hops, Wine, Leather, Hides and Tallow, have each and all greatly increased the sum total of these quantities, as well as values, thus adding very materially to the wealth of the producers, but largely so to the wealth of the State.

California has been more than ordinarily fortunate the present year, for not only has she enjoyed a large harvest but also large prices, and what is more important a quick and ready Market has opened for all the productions of our State—never before have the various productions of California found so ready a market.

The Crops of Grain in our State bears a higher average per acre than any State in the Union, while the prices of our Breadstuffs are also higher than any other State.

At the present writing we record a lost opportunity to many of our producers who could have realized 210 to 220 for their wheat, but let the golden chance pass, and now see the error of falling into that "world's tempestuous strife," of which the poet speaks, seeking the mammon, and thus losing the quiet joy otherwise secured.

The producers of California have reason to be thankful and proud too, in the knowledge that the "Golden Grain" of this State ranks the highest of any Grain in all foreign markets, and our Flour also.

The fleeces of our flocks are known and appreciated abroad, our Hops bear a special fame for their great strength and excellence.

The Wine of California is now known and acknowledged as purer and better than most of the wine imported.

Our orchards as well as our Vineyards are being known abroad by the excellence of their fresh fruits, as hundreds and thousands of boxes sent abroad testify, while our preserved fruits are now acknowledged to surpass all other fruits offered from any other sources.

The rapid increase in our stock of Raisins, Figs and Nuts of many kinds is attracting great attention abroad, both for quantity and quality, as both are evidences that California is determined to be a large exporter of all there.

There is another product of our State of noted value this is seen in a harvest of more than *one thousand tuns* of Honey for 1879.

With such a prosperous showing of our Harvest where every branch is prosperous, ought we not as *Harvesters*, be thankful as we near our great "Harvest Season" our Thanksgiving Day, and by a due appreciation of the blessings, we the people of California enjoy, show to the "Giver of all Good" our worthiness of such a harvest.

THANKSGIVING DAY.

Benjamin Franklin said, "To the generous mind the heaviest debt is that of gratitude, when 'tis not in our power to pay it."

The President of the United States has set apart this year the 27th of this month, as is seen by his Proclamation in our columns, as a Day of Thanksgiving to God for the many mercies and favors granted to us as a nation; and truly as the President says, "The most highly favored and prosperous nation upon earth."

In accordance with the Proclamation of the President, the Chief Magistrate of this State has also confirmed the same day for the people of this State to be observed for the great purpose of recalling and realizing the full value of the rich blessing—we, the American nation now enjoy over and above every other nation upon earth.

If as Franklin says, "The heaviest debts mortals owe each other is when we cannot pay them." How heavy and how great is the debt we owe to the Supreme Being for the numberless blessing we as a nation, and as a people in every State, city and town in this favored land owe to Him.

Where upon the face of this earth is there a nation now so prosperous as the American nation, where is there a nation so honored abroad? where a nation whose name, fame and credit can surpass it, or even equal it?

California has been richly blessed with a bountiful harvest, giving to the tiller of the soil a liberal reward—our manufacturing interests are prosperous, and a general prosperity prevades our whole community, prompting every heart to a grateful acknowledgment of these boundless blessings.

Then ought we not as a people on such a day, set apart for this special purpose, ought we not to be a grateful and thankful people, and to give true evidence of it by acts of liberality and generosity to those who are needy, this would be a proof that we are indeed thankful, and thus the day faithfully kept, this would show our love supreme to Him and our good will to man.

The Pullman Cars.

These famous and justly popular cars are now the specially sought for means of conveyance by all travelers on our railways, on the Chicago and Northwestern Railroad, between Omaha, Council Bluffs and Chicago.

On all the great routes east of Omaha, the Pullman dining cars have no equal for real comforts and pleasurable conveniences, on these cars care is forgotten and traveling is only a pleasure.

PLOWING SEASON.

THE RAIN BLESSING.

A little time since the first rains came, awakening the attention of our farmers to their season of plowing and planting, and a goodly number of the wise ones have already improved the time to prepare and plant upon their "summer fallowed" lands.

It is most gratifying to us to know how large the number is who now practice the true system of "summer fallow" and "dry planting," for the past few years the increase in the number of farmers who adopt this plan has been very large.

It was some twenty years ago that this Journal presented this plan and urged it as the only true way, then but few could be induced to try it, not willing to allow as they said to loose the use of half their land by having it remain idle, and yet those that did try it raised as large crops on *half* their lands thus cultivated, as they had previously on double the number of acres.

To I. D. Morley, Esq., of La Grange, Stanislaus County, belongs the credit of starting this system, and in his work he was faithful, and aroused by his example others adopted his plan, until all that region nearly, had adopted the plan of "summer fallow" and "dry planting," and good crops are now harvested, where under the old plan little or no harvest is made.

Those who travel over our State can easily see the large area of land that every year is put into this plan of fallow for early and dry planting, and with a great gain to all who try it.

Another and most excellent plan, and one that is gaining many converts, is the plan of plowing the land two and three times, plowing and cross-plowing—and thus thoroughly pulverizing the soil, on every trial of this kind a great gain has been made in the quantity raised per acre, and in the quality of the grain also, and we venture to challenge any farmer to try this plan and not realize a great benefit from such culture.

AN AUSTRALIAN MERCHANT.

We are pleased to call the attention of our merchants to an opportunity now afforded of becoming acquainted with a gentleman from Sydney, a merchant who is well versed in business and the markets of that region.

We allude to Wm. H. Fletcher, Esq., who is now in our City, and just from London, having business connexions there, and who now returns to Australia by the next steamer.

Our merchants who have business there or who would desire to open up new business in the large markets of Sydney will have an opportunity of doing so by and through Mr. Fletcher, who will remain a brief time with us for such business purposes.

Mr. Fletcher is well advised of the markets there, and can give valuable information to all who wish to open up trade with the Colonies, and all who desire to exhibit samples of their Goods at the Sydney or Melbourne Fairs will have their business faithfully attended to there.

Any letters or messages for Mr. Fletcher left at Farmer Office will reach him promptly.

Kentucky Fine Stock.

Kentucky has always been noted and celebrated for splendid stock of all kinds, and no State in our Union has won more fame in this great interest than good old Kentucky.

Upon the roll of truly illustrious names of stock raisers, we find prominent the names of the Clays, the Alexanders, the Scotts, and a host more whose names and "Herd Books" are familiar all over Europe and in every State in the Union.

We have many of these "Herd Books" in our collection, and just now we have received the catalogue of Robert W. Scott, of Frankfort, Ky., which embraces some of the finest stock that can be found, among them the Cashmere goats, of which Mr. Scott has been celebrated, having had his breeders from the famed "Davis' stock; also, the "Peter's" stock of Georgia.

Mr. Scott has recently made large sales of fine stock, and among them splendid Cashmere or Angora goats, of which he has very large and fine herds.

Mr. Scott is among the most honored men of the State and times, and we are pleased in the honor of his correspondence for years—Mr. Scott has reached the ripe age of 70 years, yet we hope many years still await him, for his life has been one of usefulness and benefit to Kentucky and the world.

J. H. Nicholson, Esq.

This gentleman so long and favorably known as the paying teller, for many years, in the Bank of California—has, as we learn from a circular, made a change of his labors and duties, and instead of instead of filling the bags of callers at the bank with shining gold, he has now become a partner in the firm of E. Dietrick & Co., bag manufacturers on Clay and Commercial Streets, and will henceforth at his present mercantile house make bags to fill with the "Golden grain of California," and we sincerely hope that while in his former business he filled the bags for others to carry away, he will now be able to fill many bags for himself by a very prosperous business—may success attend his labors.

Our Pacific Mail Steamers.

The famous ocean steamers have never for many years been so popular, so well managed, or so well patronized as at the present time.

The Australian line of steamers, the Panama line and also the China steamers, all go full freighted with goods and passengers, the lines, all of them, are now doing well and the stock rising in value, and this success for our steamers we attribute in a very great measure to the able and wise administration of the efficient manager, H. B. Williams, Esq., who has been a most earnest and zealous worker for the best good of these lines, and the trade of this coast.

Wisely insure at the New Zealand Insurance Co.'s office, 307 California Street.

OBITUARY.

MRS. G. W. COLBY.

"There are moments in life we never forget,
Which brighten, and brighten, as time steals away;
They give a new charm to the happiest lot,
And shine on the gloom of the loveliest day."

"In the midst of life we are in death" is a proverb, and there is no event that happens to mortals here below that so startles and arouses the mind and the memory, and calls into vivid action all the affections and faculties of thought and being as the sudden calling away by DEATH of a near and loved kindred from the family circle.

When this great calamity comes, the vacant place is so quickly seen, and the vacant seat at the family table speaks in a repeated and powerful voice daily, the eye marks it and looks for the loved face, the ear notes it and listens for the loved voice, and when no welcome call is heard, the eye, ear and heart sees, hears and feels the heavy loss that has befallen upon a circle where the one that has been called away, was the light, joy and loved of all, and realizes its heavy and irreparable loss.

Death in the family circle of any of its members is always sad with its full bereavements, but when death comes and takes away its light and love giving head, where the *wife* and *mother* is taken, when the husband mourns a wife, and children a mother there is no language that can be spoken that can reach the wound or stay its agony,—time alone can heal in some degree, but never bring a consolation that can make good to the mourner's heart the priceless treasure that has been taken away.

These thoughts are called forth by the recent death of Mrs. G. W. Colby of Benecia, the wife of G. W. Colby, President of the Grangers' Bank, who is so well known in our City and State as a distinguished and active worker for the Grangers and the Cause of Agriculture and human progress.

The death of Mrs. Colby was unexpected, although the lady had been an invalid and had come to our city for medical advice, when the great summons came to bid her come "Home" to a brighter dwelling place, to her Father's House in Heaven.

Mrs. Colby's life has been a most active one, active in good works and good deeds, and although but in the prime of life she had indeed been "a Mother in "Israel" to "feed the hungry, clothe the naked and to visit the sick" seemed to be her mission, it was her life work to do all in her power to benefit humanity and advance the cause of morality and improve social life.

Mrs. Colby was very active among the Grangers, and as an honored officer in that institution her influences were great and highly beneficial, Mrs. Colby was a ready writer and her many letters given to various journals have been as good seed, yielding good fruit.

Mrs. Colby's life has been a noble one, she seemed to be inspired to do good, and would ask herself how can I do the most good and when the voice came to her asking her

"What wouldst thou be?"

her heart answered readily,

"A blessing to each one surrounding me;
A chalice of dew to the weary heart,
A sunbeam of joy bidding sorrow depart
To the storm tossed vessel a beacon light,
A nightingale song in the darkest night,
A beckoning hand to a far-off goal,
An angel of love to each friendless soul,
Such would I be!
Oh! that such happiness were for me."

And such was the life of this noble lady while on earth, till that "beckoning Hand" called her from pain and sickness to her "Home on High" to receive the reward of a well spent life, Mrs. Colby's loss will be widely felt and long be mourned, the only words of comfort we can speak to the deeply afflicted husband and the mourning family, is, though great their loss her gain is greater, and they must be comforted by the *memory* of one so noble and so blessed in her life.

They can truly say:

"We have been blessed, tho' life is made
A tear, a silence and a shade,
And years shall leave the vacant breast
To loneliness—we *Now* been *blessed*."

A CAPITAL LIGHT.

Much has been said about the electric light, but the famed Leader Lamp, or "Brilliant Lamp," as it has been called is a grand light, and these lamps are worthy all that has been said to their credit—they are generally supposed to be used for a man's study only, but we have learned that they are the very best lamp yet invented for our industrious workers upon the *sewing machine*, and for this purpose they are unequalled, as they send by means of the reflecting shade all the light upon the work, thus shielding the eyes of the worker and showing up the work to better advantage.

Our sewing women should call at O. Lawton & Co., and see these lamps, the price has now been reduced to only $2.50, and worth five times that price in a saving to the eyesight and the general comfort of a clear light, a good light for a little money in the word now.

Diphtheria.

This fearful disease is now doing its terrible work of death among the children of our State and the ordinary remedies fail to arrest it.

If parents would but try the great Remedial Agency of the Eucalyptus, they could save their children from this direful death dealing scourge.

Be sure and obtain the true Medicine, *David Clarke's Australian Remedials*.

UNITED STATES OF AMERICA.

A PROCLAMATION

BY THE

PRESIDENT OF THE UNITED STATES

FOR A

DAY OF THANKSGIVING.

At no recurrence of the season which the devout habits of religious people have made the occasion for giving thanks to Almighty God, and humbly invoking His continued favors has the material prosperity enjoyed by our whole country been more conspicuous, more manifold or more universal than during the past year; also, the unbroken peace with all foreign nations, the general prevalence of domestic tranquility, the supremacy and security of the great institutions of civil and religious freedom, having gladdened the hearts of our people and confirmed their attachment to their Government, which the wisdom and courage of our ancestors so ably framed, and the wisdom and courage of their descendants have so firmly maintained, to be the habitations of liberty and justice to successive generations.

Now, therefore, I, Rutherford B. Hayes, President of the United States, do appoint Thursday, the 27th day of November, instant, as a day of National thanksgiving and prayer, and earnestly recommend that, withdrawing themselves from secular cares and labors, the people of the United States do meet together on that day, in their respective places of worship, there to give thanks and praise to Almighty God for His mercies, and to devoutly beseech their continuance.

[L. S.] Rutherford B. Hayes.

William M. Evarts, Secretary of State.

THANKSGIVING PROCLAMATION

BY

HIS EXCELLENCY WILLIAM IRWIN,

GOVERNOR OF CALIFORNIA.

In harmony with the proclamation of the President of the United States, designating a day of national thanksgiving and prayer, and in pursuance of a custom generally, if not universally, observed by the Executives of the States of the American Union, as well as in response to the religious emotions and impulses of a Christian people who recognize their dependence on Almighty God for all the blessings they enjoy, I, William Irwin, Governor of the State of California, do hereby appoint Thursday, the 27th of November, inst., to be observed by the people of said State as a day of thanksgiving and praise to Almighty God. The past year has been one of much material prosperity; the laws have been impartially enforced, and order strictly maintained; and the people have enjoyed the inestimable blessings of civil and religious liberty. I therefore most earnestly call on them to meet on the day above designated in their accustomed places of public worship, and render to the Giver of all Good devout thanks for the many blessings He has bestowed on us as individuals and as a people.

In testimony whereof, I have hereunto set my hand, and caused the Great Seal of the State to be affixed, at the City of Sacramento, California, this 15th day of November, in the year of our Lord 1879.

[L. S.] William Irwin, Governor.

Thomas Baca, Secretary of State.

THE CARNIVAL BALL.

WATCH! WATCH!! WATCH!!!

"Watch-man, what of the night,
Twelve o'clock, all is well."

There is nothing more important than to have a good watch—man, so you can know "all is well" too. Now we think there is no better *watch* man than Col. A. Andrews, for day or night, summer or winter, rain or shine, Col. Andrews is always on the watch, he has hundreds of time-keepers at this "Diamond Palace" entrance, watching for people of good taste to call and appreciate the elegant design and style of his watches, etc.

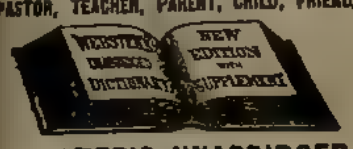
No man in our whole community watches with a more quick and discerning eye and far seeing judgment the movements of the public mind, for Col. Andrews is a rare genius, and as he watches, and he knows when to have his watch strike the *movement* for something new, rare and of a winning device differing from all movements heretofore made, and it was while watching the phases of the public mind lately that Col. Andrews conceived the idea of the "First Grand Carnival Ball" he knew well that under the excited state of the public feeling, that a grand display, cost what it would take, and like a flash, with him it was to conceive the thing, and it was done, and then amid all the dullness of trade and scarcity of coin, twenty, thirty or forty thousand dollars was scattered as readily as so many grains of corn.

The Carnival was a grand success gratifying to the masses, of which some 10,000 saw and enjoyed themselves, and we think quite satisfactorily for, and also to Col. Andrews the genius that conceived, executed and completed it.

We said Col. Andrews was a genius—those that called at his grand and truly beautiful show window on Montgomery Street, Russ House Block, and saw that gorgeous marble pedestal with the pyramid of "Golden Quartz," a gift from General Grant, which was indeed a superb piece of work never before excelled in either beauty of design or workmanship, and most highly creditable to Col. Andrews, this will most undoubtedly be duly appreciated by General Grant, and will prove a magnificent ornament at the White House, at the inauguration day, his next Presidency, near at hand.

Col. Andrews as we have said is famed for his watching every opportunity to surprise and capture and capitivate the public, in this he is skilled, and in his watches, diamonds and jewels rare, in all his work it is admitted fully, that no one watches with a quicker eye to please the patrons of the Diamond Palace than Col. Andrews.

A CHOICE GIFT
For all times,
HOLIDAYS, WEDDING, BIRTHDAY,
ANNIVERSARY, or any other day; for
PASTOR, TEACHER, PARENT, CHILD, FRIEND.



WEBSTER'S UNABRIDGED.
NEW EDITION.
Containing a **SUPPLEMENT** of over
4600 NEW WORDS and Meanings.
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Biographical Dictionary
of over **9700** NAMES.
A NATIONAL STANDARD.

WEBSTER'S is the Dictionary used in the Government Printing Office. Jan. 1879.
Every State purchase of Dictionaries for Schools has been of Webster.
Books in the Public Schools of the United States are mainly based on Webster.
Sales of Webster's to **20** times as great as the sale of any other series of Dictionaries.
THIRTY-TWO THOUSAND COPIES have been placed in the public schools of the U. S.
Webster's Unabridged, the latest issue of the Standard, has 118,000 words, 3000 engravings,—contains **3000**, nearly three times as many as any other Dictionary.
Recommended by State Supt's of Schools in **35** States, and by **50** College Pres'ts.
Published by **G. & C. MERRIAM**, Springfield, Mass.

49-19

COOLEY CREAMER.

Supersedes large and small pans for setting milk.
It requires no milk room.
It requires capacity for one milking only.
Impure air, dust or flies cannot reach milk set in it.
It makes more butter, because it raises all of the cream, and the quantity is never lessened by unfavorable weather
It makes better butter. It requires less labor It is cheaper.

Butter made by this process took the HIGHEST AWARD at the INTERNATIONAL DAIRY FAIR held in New York, December 1878, and at the Royal Agricultural Exhibition held in London, June 1879, and brings the highest price in all the great markets.

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VERMONT FARM MACHINE CO.,
49:13 3m **BELLOWS FALLS, VT.**

NOW IS THE TIME TO PREPARE THE GROUND and plant all kind of Bulbous and Tuberous Roots. All who desire the choicest varieties can be supplied with

LILIES, OF MANY KINDS, GLAIOLUSES, HYACINTHS, TULIPS, CROCUSES. ETC., ETC., ETC.
—ALSO—
TUBEROSES, ANEMONIES, CROWN IMPERIALS, LILY OF THE VALLEY, ETC., ETC., ETC.

CALIFORNIA FARMER OFFICE,
320 CLAY STREET.

S. H. Kennedy's Mf'g Co.

MANUFACTURERS OF

SHEEP DIPS.

The Largest of the Kind in the U. S.

Please Examine the list of the different dips and prices, viz:

Dissolved Sulphur Dip,
Price $2.25 a gallon,
This is equal to 30 pounds the best Sublime Sulphur.

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Price, $2.75 a gallon,
This is equal to 40 pounds best Leaf Tobacco.

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Price, $2.25 a gallon,
This is our Favorite Dip, as it Cures Scab and can be used at any degree of strength with safety

HEMLOCK POISONOUS DIP,
Price, $225 per gallon,
And is the Best Poisonous Dip in Use.

EACH GALLON OF THESE DIPS
Will make enough for 325 Sheep After Shearing.

Put up in One and Five Gallon cans with full directions for use.

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FALKNER, BELL & CO.,
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Agents for the Pacific Coast.
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6 octave, $250 **ORGAN**—13 stops, 3 sets of reeds, octave coupler, and sub-bass, Patent Grand Organ and knee swell, black walnut case with handsome mirror top, stool and book, only $61 00.

WATERS' 7 octave Rosewood Pianos, with stool, cloth cover and instruction book, only $112 00 WATERS' 7½ octave Rosewood Pianos, with stool, cloth cover and instruction book, only $154 50. All my instruments new and fully warranted. Send for my illustrated catalogue. T. LEEDS WATERS, Agt., 148 & 142 William St., New York. Post-office Box 1752.

50 FINE MIXED CARDS, with name, 10c. Agents wanted. Outfit 10c. Mention this paper, and address, JOHN J. MARSHALL, Sandwich, Ill.

A SPLENDID ESTATE.

One of the finest estates on this coast can be purchased on the most liberal terms and at truly advantageous rates, offering to any gentleman, of means and taste, a rare opportunity to secure to himself an elegant location all ready made, with ORCHARDS, VINEYARDS, GRANGERIES, and GARDEN GROUNDS, all yielding a large income from the sale of Fruits, Wines, and other products annually

This estate comprises from 300 to 350 acres of the finest land on this coast, admirably located, between well sheltering hills, in as beautiful a valley as can be found, and isolated from any other landholders, thus giving a true principality and a royal domain

The reason of sale now is, the desire of the owner to retire from so active a duty and so great a charge, to one of many years, as the care of such an estate demands, when the gathering of Fruits, marketing the same, the making of Wines that the proper care of Orchards, Vineyards, etc., requires.

The income of this estate approximate to $20,000 annually, and to a company, or to any person, who will give due and proper care to such an estate, the whole property could be made with the income and profits in four or five years.

No description of this estate would do it justice, it must be seen during its heavy bearing crops to be appreciated, and now is the time for any person who wishes to secure a splendid and beautifully located country home to visit and examine the estate.

There are at present on the estate a neat cottage, wine and fruit houses, stables, etc., with ample surroundings for making a truly modern beautiful home

What an opportunity for a truly prosperous enterprise in fruit raising and fruit preserving, and the leading fruits for export, both for fresh and dried, and also for wine making.

We give the proof of what a solid foundation there is on this estate for such an enterprise, by showing the extent and the number of trees now in bearing upon this fine estate, in the following data.

The Vineyard is one of the best in this State as to the selection of the vines and the variety, and to their present health and bearing state, being in their very prime. The Vineyard covers 35 acres, and is most perfectly located, so as to receive the morning sun.

The Orchards are most admirably located, trees are the choicest, all in the most perfect health and in full bearing, and their numbers, near as possible, are as follows:

Cherry	1,000
Pear	800
Apple	700
Peach	700
Plum	500
Quince	200
Pomegranates	60
Almond	50
Fig	50
Walnut	70
Orange, large	50
Orange, small and new kinds	750
Vineyard named above, acres	35

A beginning and a basis for a splendid Orangerie of great value with the young Orange trees named above.

This immense collection is the grand basis of a fortune.

Here there is the foundation for a grand enterprise for raising choice fruits for our markets.

For making Raisins for export
For Drying and Preserving for export.
For exporting Fresh Fruits East.
And for making Wine.

To a company of young, active, enterprising men, perhaps four, who should each assume the head of different departments, viz.

One for Market Fruits.
One for Raisin Making.
One for Wine Making

And one, a General Manager, to employ and pay men and superintend the labor department—such a division of labor making a certain success for all.

Here with a reasonable capital of some $15,000 in hand, a property of more than $50,000 could be controlled and could be made and cleared in less than FIVE YEARS.

The location of this property for beauty of scenery, for excellence of position to many markets, at home and abroad, is unequalled; and the reputation of the fruit grown on this estate is so famed that the highest price is always obtained for fruits bearing the name of these orchards.

Now then, in times like the present is an opening for a splendid enterprise, the reason of the sale of this estate is the declining health of the owner and his advanced age.

The title to this estate is the most undoubted, and clear proof of the certain success of the prosperity of such an enterprise to energetic and capable men, can be clearly made manifest.

All particulars can be had by *bona fide* purchasers, by addressing **EDITOR FARMER.**

ROYAL
SEMI-PORCELAIN
DINNER SETS
REDUCED TO $7.50

GOBLETS - - 75 Cents per dozen.
TUMBLERS - - 50 Cents per dozen.

Other Goods in Like Proportion.

O. LAWTON & CO.,
609 AND 611 MARKET STREET,
49:17 **SAN FRANCISCO.**

THE DINGEE & CONARD CO'S
BEAUTIFUL EVER-BLOOMING
ROSES

We deliver STRONG POT ROSES for Winter Bloom and Fall Planting, safely by mail, at all post-offices. Five Splendid Varieties, your choice, all labeled, for $1; 12 for $2; 19 for $3; 26 for $4; 30 for $5; 75 for $10; 100 for $13. Send for our New Guide to Rose Culture, and choose from over 500 Finest Sorts. Our Great Specialty is growing and distributing Roses.
THE DINGEE & CONARD CO.,
Rose-Growers, WEST GROVE, CHESTER CO., PA.
49:19

PHIL NEIS,

Hop Dealer and Commission Merchant.

HOPS AND BARLEY SPECIALTIES.

Pressed Hops in ¼, ½, and 1 pound Packages.

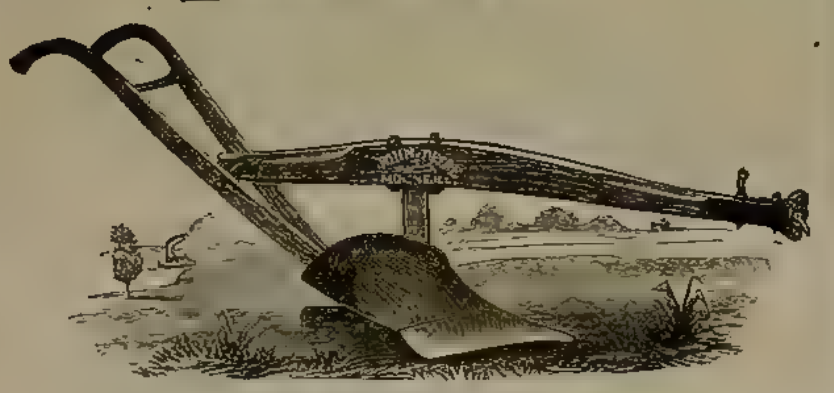
322 DAVIS STREET,
SAN FRANCISCO. 49:11

DEERE & COMPANY,

MANUFACTURERS OF THE

JOHN DEERE MOLINE PLOWS.

MOLINE PLOW WORKS.



11-INCH STUBBLE PLOW.

THE WORLD'S FIRST PRIZE AT THE VIENNA EXPOSITION IN 1873.

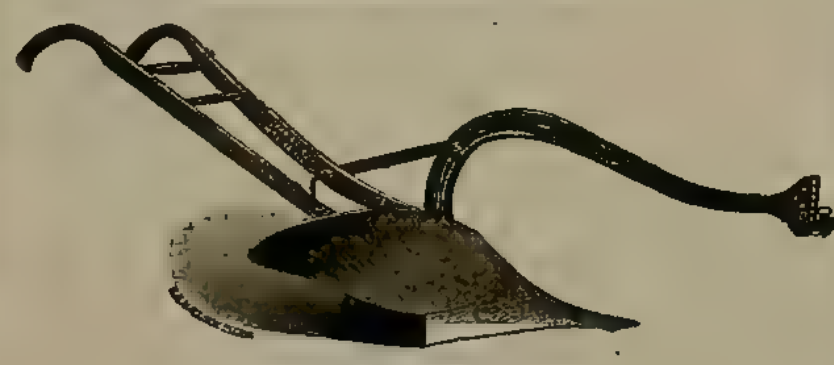
The points sought for in plows are steadiness of run, ease of draft, perfect work, and durability—and these important considerations we think we have secured to our plows. This was so decided by the Committee at the Great Vienna Exposition, who awarded the prize to our plows.

THE DEERE GANG PLOW.

Its ingenious construction and simplicity are shown in the fact that by *one lever* it is operated to any required depth. Opens up the first furrow and finishes the land by simply *moving the lever* from one notch to another, the plows maintaining a level position at all depths; and by pressing the same lever outward until it locks into a lug on the hub, the plows are carried clear of the ground by a half revolution of the wheel.

Its strength and durability are shown by merely stating that it is all *iron and steel*; and although there are many lower priced Gangs than ours, its cheapness is demonstrated by its greater durability and superior adaptation to the purpose for which it is designed. The DEERE GANG has an advantage over others, also in its lightness of draft, as has been proved in many dynamometer tests, and the many farmers having them in use have become satisfied, by comparative *team tests*, that no draft is added by the weight of frame and driver; and this is accounted for by the well known fact that a heavy load can be carried on wheels easier than a lighter one can be dragged on the ground.

The principle on which the DEERE GANG is constructed is such that the tendency of the plows to run at greater than the required depth is arrested by *the lever*, and the weight of plows and earth upon them, as well as that of the frame, is transferred to and carried by the wheels.



IRON BEAM PLOW.

The stickiest soil will not adhere to the working surface and more and better work can be accomplished with them each day, with ease to team and plowman, than with the plows of any other make.

They have been awarded the highest prizes ever offered in the country on plows, and have successfully carried off the prizes offered by the agricultural societies of the different Western States, and last season was awarded the GRAND PRIZE in field trial at the PARIS EXPOSITION, besides many prizes at other European trials of lesser note.

DEERE & COMPANY,

MOLINE, ILLINOIS, U. S. A.

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

☞Full Directions for Use Accompany every Box.
—ALSO—
CLARKE'S
Concentrated Compound Fluid Extract
—OF—
EUCALYPTUS
Clarke's
LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1872.

TO MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed good health since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON.

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 23, 1874.

TO MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)
THOMAS ALLEN,
Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus:

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir:*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,
GALEN CLARK,
Commissioner Yosemite Valley

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, coming from so high a source, we feel it a duty we owe to the public to give it the following letter:

SANTA CLARA, SANTA CLARA COLLEGE.

COL. WARREN—*Dear Sir:*

Heretofore we have had no occasion of trying the Eucalyptus Medicines, in Pills or Liquids, but we have commenced to use them, and we find them very beneficial; some of our Fathers find a great relief in their complaints; the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare. Yours respectfully,
A. CICHI, S. J.

At later date we received the following, another proof of the virtue of this Medicine:

The Pills we find to be a mild and beneficial cathartic. The Liquid Extract is a valuable Blood Purifier and a good appetizer. A. CICHI, S. J.

The above from Prof. Cichi, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedial.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you David Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY
David Clarke,
Manufacturing and Wholesale Chemist,
AT HIS LABORATORY,
Warwick, Queensland.

FOR SALE BY
WARREN & CO.,
SOLE AGENTS FOR THE
UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

THE
Queensland Almanac.

LAW CALENDER AND DIRECTORY
FOR 1879,
For Brisbane, Queensland.
TWENTY-FIRST YEAR OF PUBLICATION.

A complete Directory of all the Interests of Queensland. A valuable work of over 500 pages.

Price, $1.50 Mailed.

For sale at THE CALIFORNIA FARMER Office, Warren & Co. Agents for Publishers.

Home Miscellany.

"There is no place like HOME.
Home! It should be Heaven on Earth

Written for THE CALIFORNIA FARMER.

THE JEALOUS WIFE.

BY PURLMORE.

To think I should live to see it,
He said he loved me so,
And called me pet and darling—
But I will let him go.

I never more can trust him
Since he has proved untrue,
And as for her—well, what is she?
I knew—alas! I never knew.

I never dreamed he loved her,
I would not have thought it thee;
But I've learned too late my error,
I did not know the men.

She may have him if she wants him,
And with him my bitterest curse.
I hope he'll get enough of her,
I'm glad it is no worse

Suppose I had been a mother,
Perhaps he'd love me now,
There'd been a tie between us
Much stronger than his vow.

I cannot win him back again,
I would not if I could;
But that wretched woman loves him,
I might have known she would.

He went with her so often,
She smiled and toss'd her head;
He told me all about her,
And much that she had said.

He said her husband left her
And took away her child;
He called him brute and cruel
And said it made him wild

To think how he abused her
And left her in distress;
I deem'd it only pity,
Nor deemed he loved me less.

I hate her and despise her,
Why came she in his way?
She that was meanly born and bred
To steal his heart away.

But let him go—for what to me
Is a man so lost to shame;
He thinks perchance I love him still,
But I hate his very name.

Perhaps it's not so bad my you,
Suppose it should not be;
I know he loves another now
And does not care for me.

Why did I live to see this day?
For what to me is life?
Since I'm no longer loved by him
That chose me for his wife.

She cannot call him husband,
Since I'm a prior claim;
But since he does not love me
What is the empty name.

I'll try and win him back again,
Altho' I love him not,
Else he may think her all in all
And I'll be quite forgot.

Forgot for her, it cannot be,
She never was my peer;
He used to speak so light of her
That now he calls his dear.

I saw them pass the window,
She leaning on his arm,
She looked so fondly up to him.
As though she would him charm.

I saw her hateful manner,
But did not let her know
That one was looking at her
That she had injured so.

At times he seems to love me,
And then I'm almost blest,
But soon the thought returns again
That still he loves her best.

He's ever kind and gentle
And treats me like a child;
To her he goes for counsel,
And that's what makes me wild.

To think that she is wiser,
Oh, no, it cannot be;
But since she makes him think so,
It's all the same to me.

But I'll think no more about it,
Yet how can I forget,
Since in the silent night time
I dream he loves me yet

I awaken in the morning.
Half hoping he is there,
But the being of my fancy
Has vanished into air.

Why did I live to see it,
Him that I loved so well
Is lost to me forever,
But why I cannot tell.

O, God on Thee I call,
Hear Thou my earnest cry,
Let peace reign in my breast,
Or else, O let me die.

Home Beauty.

A tasteful woman can make a garret beautiful and homelike, and at little cost; for the beauty of home depends more on educated and refined taste than upon real wealth. If there is no real artist in the house, it matters little if there is a large balance at the bank. There is usually no better excuse for a barren home than ignorance or carelessness.

A little mechanical skill can make brackets and shelves for the wall. A thoughtful walk in the woods can gather leaves and lichens and ferns for adorning the unpictured rooms. A trifle saved from daily expenses can now and then put a new book upon the table or shelf. The expenditure of a few shilling can convert the plain window into a conservatory. In these and fifty other ways can a plain, bare room be converted into a scene of beauty.

Eastern Correspondence.

GREEN TREE, Penn., September 28, 1879.

DEAR ALICE:

Just to punish you for that little fling at the end of your letter in the FARMER, I am going to write you a whole epistle.

But first, are snipes usually found in hedges? it runs in my mind that they prefer the banks of rivers and the sedgy edges of lakes and swamps—but, perhaps you had the Shaksperian snipe in your "mind's eye," when you wrote that paragraph, and *that* animal is confined to no particular locality, but roams the world at large. You must not sit under the sad willows dear Alice, but get out among the spicy pines and in the glad sunshine, and do not court Memory, but take fair-faced Hope for your companion on your mountain rambles. And tell us more about your mountain stream and the pine woods; you cannot imagine how fascinating your sunset scenes are to dwellers in the far north. Do you know, I have a fire in my room already, yes, I am divided between the September fires glowing in the garden and the blaze on my hearth. For fire is beautiful—it is like a live thing—and especially a little fire of dry twigs like mine; for you must not fancy a roaring Christmas fire, no, we just kindle a little blaze mornings and evenings, for the afternoons are quite warm.

We have not had any frost yet, but it may come any night, and that thought tinges with sadness our pleasure in the flower garden; for each day we think when looking on the bright blossoms, "This, sweet flower, may be your last day of life," and each night we take a long lingering farewell of our favorites.

I can sympathize with you in the loss of your pet petunias, for I have had a similar experience this season with my pansies. Pansies are my especial darlings of all the bright denizens of the garden world, and I have heretofore been very successful in their culture, but, alas! this summer the worms were too many for me, and I lost all my pretty little bright-faced lovelings. My garden has seemed strange without them for they are such companionable little things with their queer half-human looks, but I have a quantity of young plants that I trust will bloom in April and repay me for the time and trouble I have spent on them. For I planted that bed three or four times, each time thinking that I had exterminated the worms, but they seem to be perennial and at last I dug the bed up and am going to set out my seedlings in another place.

I regret them the more because with us the heartsease is always finer in autumn than during the summer; but then we shall have plenty of chrysanthums soon and when the long dreary winter is past the little heartsease will be among the first blossoms to welcome the spring. I am going into the fields now dear Alice, and will tell you what I find under the "love hedges" when I return.

EVENING.—I have taken a walk and a nap too, and now I will tell you in confidence that if there had been any willows near I would have sat down under them and bewailed the fate of all things earthly, for it made me so sad to see the signs of change on every side, flowers fading and birds flocking for their flight South, leaves falling with every waft of the sweet west wind that came sighing over the fields as if in quest of something it could not find. Well, I did not walk very far, for I do not indulge sadness, and when nature will not put on a cheerful face I leave her to sulk by herself and take refuge in sleep or in a novel.

I had just finished the last new novel and so went to bed instead, and really things might be worse, that is the conclusion I have come to after a short nap. This is a very good world to live in after all, and very likely if it were always summer we should sigh for winter, and no doubt the changes of the seasons do impart much pleasure of which we are hardly conscious. Speaking of novels I must tell you of several that I have read recently, and enjoyed hugely, yes, enjoyed for there is nothing I enjoy more than a first-rate novel, and I don't care who knows it—"In the Year '13," by Fritz Reuter, is delightful, it is as witty as Dickens, indeed, Fritz Reuter has been called the German Dickens. Some of the scenes are so comical that one night when I lay awake I amused myself recalling them, and laughed aloud all alone in the still small hours, and after a good laugh went to sleep. "Sonia," by Henry Greville, is very good, the authoress is a French woman with a masculine *nom de plume*; but the story is Russian and is exceedingly original and entertaining. "Maid, Wife, or Widow?" is by Mrs. Alexander, and although not equal to "The Wooing O'T," is a pleasing story. These are all in "Munro's Seaside Library," and may be had for the small sum of ten cents apiece. The type is good. I feel that it is an act of mercy to tell of a really good novel to one who loves fiction, and who does not? I have just sent off for another batch and I will let you know how I like them. You may trust me to nose out a good novel, for if there is one thing I detest more than grubs in my pansy beds it is a poor, trashy novel, as all American novels are, never buy an American novel is a safe rule to go by. Of course there are poor English and German and French novels too, but the third-rate English novels are superior to the general run of American trash. I became the happy possessor of Jane Austen's novels this summer, and there are none better. I will not except Dickens or Thackeray, Jane Austen is their peer, and what more can be said? She has the divine spark that we call genius, so has Charlotte Bronte, and George Eliot, and Dickens, and Thackeray, after them I do not recall any other English novelists gifted in the same way, there are many who have talent of a high order, but not genius. We have had two geniuses—Hawthorne among the dead and Bret Harte among the living, and Poe, yes, poor Poe too had a glimmer of the divine about him. Now, dear Alice, I must say, adieu, JENNY DARE.

P. S.—If I have stepped on the toes of any of your literary preferences let us know—speak out.
JENNY.

All that tread the globe are but a handful to the tribes that slumber in its bosom.

CHILDREN'S FLOWER SHOW.

[We find the following report of a Children's Flower Show, in London, in the *Gardeners' Magazine*, of July 16th, our State and Nation would be better and the people happier if every community held such shows often.—ED. F.]

Sir Thomas Chambers opened the third annual flower show of the Aldenham Street Sunday School at the St. Pancras Vestry Hall, on Saturday afternoon. The flowers and plants were the results of the exertions and care of the boys and girls attending the school named, which is in connection with Regent Square Presbyterian Church, Somers Town, and the prizes were awarded by the judges, Mr. J. Cutbush, Highgate, and Mr. A. Mackenzie. There were nearly three hundred exhibitors. Sir Thomas Chambers, in declaring the exhibition open, said he accepted the invitation to do so with much pleasure, as he took a great interest in the cultivation of flowers. In a city like this, where a large proportion of the population lived in rooms or habitations the reverse of cheerful, owing to deficiency of light or air, the appearance of flowers afforded much relief. He was old enough to remember when flowers were scarce at dinner tables, whereas now, as a rule, such tables were almost hidden with flowers. He was old enough to remember when one could pass by whole rows of houses and see no flowers, but now one could scarcely move a yard without seeing flowers displayed in windows, the cultivation of which could not fail to be gratifying to all—the owner and the beholder. There was now a passion for flowers, and he thought that the love of flowers produced an excellent moral effect. Flowers had no use other than to cultivate ideas of beauty, and if children were taught to look at God's works and contemplate nature's embroidery of flowers their moral nature would be opened up. In the evening the prizes were distributed by Mr. Justice and Lady Fry.

Baloony Gardening.

The following letter to James Vick, Esq., from Mrs. J. C., at Portland Me., we copy from the October number of *Vick's Illustrated Monthly Mrgazine*:—

I want to tell you, for your encouragement, how a few suggestions in your *Floral Guide* induced me to try a balcony garden over my front door, and what came of it. I began with my house plants—common geraniums, fuchsias, foliage plants and lobbian s, with a few ferns from the woods. That was four years ago. Every year I gained a little experience, until, at last, my balcony was a mass of bloom and attracted much attention. But the best part of my story is that many followed my example, and now our "City by the Sea" blossoms like the rose. It would delight your good heart and artistic eyes to see the floral adornments and window-gardens all over Portland. Many of them are very lovely.

Your *Magazine* is a treasure. I particularly enjoy the experience of your correspondents, and only ask, like Oliver Twist, for more.

Exercise for Children.

[A mother in *William's Floral Cabinet* very earnestly and wisely sends the following good counsel to mothers—will mother heed this:—

Often we hear mothers say to their little girls, "Sit down now and be little ladies; don't run and romp so." As if a healthy child could sit down and keep still with nothing to do! Children, girls as well as boys, need exercise; they need fresh air and sunshine. Suppose they do tan their faces; isn't it better they should be brown as a berry, and healthy and happy, than to be white as a lily, with cold hands and feet, headaches and feverishness? What if they do tear their aprons; mending it is much pleasanter work than nursing a sick child. I prefer my girl to be a healthy little romp with her heart full of the beauties of nature, the birds and flowers, rather than a pale-faced little lady with her thoughts on her dress and her personal appearance

VICK'S FLORAL MAGAZINE.

Among the many interesting and valuable floral and horticultural magazines that are published in our country, we can say without disparagement to many that are deservedly popular, that there is no floral magazine in America that is more varied in its pleasing and instructive teachings, and none that is as fully and completely illustrated as *Vick's Floral Monthly*.

Mr. Vick has a peculiar gift of presenting the choicest flowers in all stages of growth, and in giving all the needed and special instructions in growing flowers, this is peculiar to himself, as he is one of the most successful florists in our country.

Vick's Floral Magazine for October is a very valuable number, superbly illustrated with a group of magnificent tulips in natural color, to the very life.

Mr. Vick's *Floral Guide* for Autumn, just out, has more than one hundred illustrations of bulbous flowers most perfectly presented, with names, manner of culture, all given to teach the grower how and in what manner to grow them.

Now is the season to prepare to plant bulbous roots, and those who cultivate this beautiful class of plants, should by all means have *Vick's Magazine* and *Guide* as their instructors, this will ensure success to their labors, for there is no publication so full and complete as *Vick's Magazine* and *Guide*.

These works can be seen and obtained at the FARMER office.

A Capital Book.

COMMON SENSE.—We have often spoken of the excellent books published by Dr. N. B. Wolfe, under the title of "Common Sense," these books are of the diseases incident to mankind, and if more widely read, vast good would accrue to humanity

We have before us a very neatly bound volume of 144 pages upon diseases of the nose, throat and lungs, which by reference to the advertisement of Dr. Wolfe in our columns, it will be seen he offers to send GRATIS to all who will send stamp to pay postage—surely this is a liberal offer to all who would be relieved of suffering.

Dr. Wole's large works can be had at FARMER office.

REPUBLICS ARE UNGRATEFUL.—The old chimney of the house in which Washington was born, on the estate of "Wakefield," in Westmoreland Co., Virginia, is still standing—all that is left to mark the spot, the tablet erected by Parke Curtis in 1815 having crumbled to pieces. It is suggested that an enduring monument be placed upon the spot.

TO M. B. D.

BY K. L. M.

Oh, friend of early unforgotten days
In thy deep grief my heart goes out to thee,
In a strange land—ah me—bereft—ah me!
How true it is O ye ways are not our ways,
Charles Lloyd in 'Old Maxwell,' utters high praise,
The wail of orphans, and methinks shall be,
For him the most befitting etuenody—
More blessed far than poets' golden lays.
He was thy Benjamin—how dear, I know,
God comfort thee! for I have naught but tears,
He cannot come to thee, but thou shalt go.
To him, beloved friend, ere many years,
In this sweet hope may'st thou till then abide,
And strong in it at last cross death's dark tide.

YOU'LL NEVER GUESS.

I know two eyes, two soft brown eyes,
Two eyes as sweet and dear
As ever danced with gay surprise,
Or melted with a tear;
In whose fair rays a heart may bask—
Their shadowed rays serene—
But little maid you must not ask
Whose gentle eyes I mean.

I know a voice of fairy tone,
Like brooklet in the June,
That sings to please itself alone,
A little old-world tune;
Whose music haunts the listener's ear,
And will not leave it free;
But I shall never tell you, dear;
Whose accents they may be.

I know a golden-hearted maid
For whom I built a shrine,
A leafy nook of murmurous shade,
Deep in this heart of mine;
And in that calm and cool recess
To make her home she came—
But, oh! you'd never, never guess
That little maiden's name.

WHO MAKES SCRAP BOOKS?

'Tis said "In the making of books there is no end," and we know there are many persons who are always interested in making SCRAP BOOKS—now, to all such persons, we have some very important information which will benefit them.

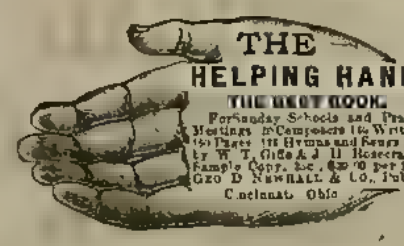
It will be seen by our advertisement of "OLD NEWSPAPERS FOR SALE" that can furnish just the right material for SCRAP BOOKS, for we have in this collection of OLD NEWSPAPERS, a series of papers of 10 to 25 years, and from every State in the Union, and also European papers; with select scientific and literary papers, journals of all kinds. In these papers will be found much of the best Poetry of the age; also, Stories, Anecdotes, etc., all very valuable, and these we shall offer at the low rate of $1.00 to $3.00 per hundred. Many of these are 12, 16 and 20 page pamphlets, and magazines and other periodicals, those who want these collections will call at or address the

CALIFORNIA FARMER OFFICE.

SAVE YOUR EYES.

AMONG THE MANY AND WELL ATtested virtues of the Eucalyptus Remedials, its great and invaluable agency in benefitting the eyesight is one of its prominent features. By careful tests made by persons having WEAK EYES, and persons even of an advanced age, who have used "Clarke's Concentrated Fluid Extract" for the eyes as a bath the most astonishing results have been attained, weak eyes have been entirely cured and aged persons have had their sight so greatly improved as to do away with glasses. This liquid is for sale at the FARMER OFFICE, the American Agency, 320 Clay Street.

WATKIN'S
NEW SERIES
—OF—
Yosemite and Pacific Coast Views,
—ONLY AT—
427 MONTGOMERY STREET
San Francisco. 49:10


THE
HELPING HAND,
THE BEST BOOK.
For Sunday Schools and Prayer
Meetings for Composers for Writers
for Pastors for Hymns and Tunes
by W. T. Giles A. J. H. Rosecrans.
Sample Copy, by mail, $2.00 per 100.
GEO. D. NEWHALL & CO., Pubs.,
Cincinnati, Ohio.

48:2

URANINE.

This wonderful new compound which has excited so much wonder and admiration, and which is so valuable as an Analine Dye, has been received by us and will be offered for sale by us at trade prices. We can show it as illustration of its magic power—a single grain will color 350 gallons of water. Dyers of silks, woolens, should examine this wonderful article. For sale at

FARMER OFFICE.

SEND THE FARMER ABROAD.

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, to send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a JOURNAL as the CALIFORNIA FARMER. We know our JOURNAL is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the HOME CIRCLE everywhere, as a JOURNAL free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, SPECIAL PREMIUMS OF SEEDS are donated with the paper, to benefit our State. See new subscription prices.

FREE A VALUABLE PACKAGE OF GOODS. SEND stamp. Box 43, Sandwich, Ill. 48:13

SHERMAN & HYDE,

WHOLESALE AND RETAIL

MUSIC DEALERS,

CORNER KEARNY AND SUTTER STS.,

San Francisco.

WEBER PIANOS

.... ARE ....

THE BEST.

What the Great Musicians and Singers say of them.

NEILLSON. I shall take every opportunity to recommend and praise your instruments.

KELLOGG. For the last six years your Pianos have been my choice for the Concert Room, and my own house.

PATTI I have used the Pianos of every celebrated maker, but give yours the preference over all.

STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

WEHLI. Madame Parepa called your Pianos the finest in the United States. I "fully endorse," that opinion. They have no "rival anywhere."

MILLS. Amongst the many excellent Pianos made in the city, the Weber ranks foremost.

LUCCA. Your Uprights are extraordinary instruments and deserve great success.

MURSKA. Your instruments surpass my expectations, and I rank you justly as the Foremost Manufacturers of the day

GODDARD. Your Instruments have no "superior" anywhere. I certainly have not seen any Pianos in America which approach them even.

The Cottage Gem Piano,

Is 7 Octave. Serpentine Mouldings. Curved Legs, and is the BEST PIANO in the market for the price.

$350.00.

The Standard Organ

Has a Beautiful Case, full, rich tone, and for durability

Excels all Others!

.... FOR ....

Sheet Music, Music Books,

OR ANY ARTICLE IN THE

MUSIC TRADE

CALL ON, OR ADDRESS,

SHERMAN & HYDE,
CORNER KEARNY AND SUTTER STS.,
44:21 SAN FRANCISCO.

Santa Clara College, S. J.

SANTA CLARA, CAL.

THE TWENTY-NINTH ANNUAL SESSION OF THIS Institution will be resumed Tuesday, August 5th.

This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It occupies six large buildings with extensive shady playgrounds, covered gymnasiums, swimming pond, etc.

It possesses a most complete philosophical apparatus, and valuable collections of mineralogy and geology. It has also practical schools of Assaying, Surveying, Telegraphy, Photography, and Commercial business. For the latter a new building 160x40 has just been finished that leaves nothing to be desired.

Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course.

TERMS—(Payable semi-annually in advance) Matriculation fee, to be paid but once.....$ 10.00
Board, Lodging, Tuition in all branches, Washing and Mending of Linen, School Stationary, Medical attendance and Medicine, Baths, etc., per session of ten months. $250.00

For further particulars apply to the President of Santa Clara College, or to St. Ignatius College, 841 Market Street, San Francisco
34-1 REV. A. BRUNENGO, S. J., President

GRAND TRIUMPH FOR EUCALYPTUS.

EUCALYPTUS WILL CONQUER DISEASE.

We publish the following strong TESTIMONIAL in favor of the GRAND REMEDIAL POWER of the Eucalpytus, prepared by DAVID CLARKE, CHEMIST, of Australia.

This Testimonial comes from a prominent Merchant of this City, whose name is with us for reference for all who suffer and would be relieved.

SAN FRANCISCO, April 7, 1879.

EDITOR CALIFORNIA FARMER—*Dear Sir*

Some time ago I had the misfortune to sustain a dislocation of the shoulder received from a fall, and while I was suffering the most acute pain as the effect of it, so much so as to be deprived of my sleep nights, I met my old friend, Col. Warren, who prescribed me with a bottle of "Eucalyptus Oil" saying as he did so, "try it." "Bathe the shoulder and arm well, and on retiring saturate a cloth with the oil, and bind it to your shoulder, and you will have no more sleepless nights on account of pain from that." I followed the Council's directions, and must say that the Eucalyptus Oil will do all that is claimed for it as an alleviator of pain (rheumatic and otherwise) and more too.

A preparation made from the Eucalyptus Trees, by frequent ablutions of the eyes will restore weak eyes to strong ones and positively restore the sight as good as ever to people whose eyes are failing, if they will keep their body in good condition by the use of Eucalyptus Oils—while using the eye wash. Yours truly, G. H. B.

N. B.—There are many compounds made in this State, yet however good, the *genuine* Remedials are only prepared by David Clarke, Warwick, Australia, for sale by Warren & Co., Agents.

WELL AUGER, Ours is guaranteed to be the best in the world. Catalogue free.
W. W. GILES, 142 Clark st., Chicago, Ill.
49:14 6t eot

Miscellany.

Gatherings along the way side,
Floating gems by every tide.

LOCKS AND KEYS.

Locks are plenty as grains of sand
Under the sea and over the land;
Locks that are strong as strong can be
But what is a lock without a key?

We hunt and hunt the whole house o'er
For the missing key that was in the door,
And no peace or comfort, I'll be bound,
Will come till the truant key is found.

This piece of steel, with its curious make,
We prize for the hidden treasure's sake,
And guard it well with a ring or clasp
To keep it out of the vandal's grasp.

Do you never think, O neighbor mine,
That our hearts have locks both strong and fine,
To guard the wealth that therein may be,
And that some dear hand must hold the key?

A tender word in the hour of pain,
Will bring forth tears like the summer rain;
Tears long pent up, like jewels bright,
Long hid from the glorious morning light.

And after the tears will come the calm,
The blessed rest, the healing balm;
And less and less will seem the woe
That other souls our sorrows know.

A loving kiss will prove a key
To the children's hearts so sweet and free,
And kind words scattered here and there
Are keys to the holy gates of prayer.

HOW TO GET A DINNER.

A gentleman who had traveled about pretty extensively was greatly perplexed to understand how it was that other persons were waited upon promptly and well served at the hotels, while he was almost entirely ignored and could scarcely obtain a square meal—complain to the waiter as he might. At last his eyes were opened to the dodge of seeing the waiter liberally, and being of an ingenious turn of mind he determined to improve upon the plan. The next hotel he dined at he took his seat very pomposely at the table, and took out a well filled pocketbook, extracting therefrom a $10 bill, which he laid on the white cloth beside his plate, and placed his goblet upon it. In an instant, almost, he was surrounded by waiters, who seemed to vie with each other in attentions. Every wish was anticipated and all the delicacies of the kitchen and pantry were placed before him in tempting array. Having fared as sumptuously as a prince—to the envy of many of the guests—he took up the greenback, and, beckoning to the nearest waiter, was immediately besieged by half a dozen or so. Holding the bill in one hand, he pointed to it with the other and inquired of the crowd:

"Do you see that bill?"

"Oh, yes, sir," they all exclaimed in chorus.

"Then take a good look at it," he replied, "for you will never see it again."

Saying which he departed, leaving the waiters aghast.

Trade with Mexico.

There is no doubt that intelligent effort will greatly increase our trade with Mexico. At present we supply that nation with but a small proportion of her imports, although everything she needs is produced in the United States. The many labor-saving machines of the United States are but little known in Mexico, and their introduction would stimulate industries now largely in the hands of Europeans. The proposition for a commercial convention between the two governments, with a view to facilitate trade, is therefore entitled to careful consideration.—*Commercial Herald and Market Review.*

Our Currency.—What a change in the Currency of our State in a few years past—not many years ago and our *Greenbacks* were down to about 50 cents on the dollar—but to-day they are a *Premium* above our U. S. silver, and pass in all business same as Gold.

This is as it always should have been—for the great wealth of our nation and its vast resources now, and its steady annual increase makes all *currency*, everything bearing that American Eagle, and those *three* potential letters, U. S. A., will always serve as a guarantee of the intrinsic worth and value of all our National Paper or Coin.

A fellow wrote to a down-town store as follows: "Dear sur; if yew hev gut a book called Daniel Webster on a brige, please send me a coppy by Pper's express c. o. d.—i want to git it ter-morter if I kin, cause my spelin-teacher says i oughter hev it."

"There are too many women in the world; sixty thousand more women than men in Massachusetts," growled the husband. "That is the survival of the fittest, my dear," replied the wife.

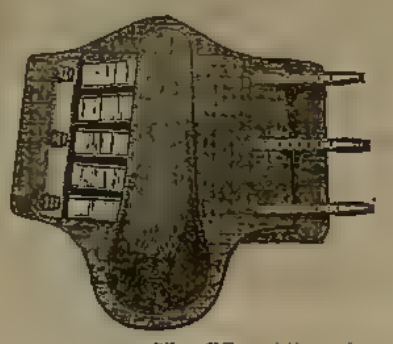
An Irishman went to the theater for the first time. Just as the curtain descended on the first act a boiler in the basement exploded, and he was blown through the roof, coming down in the next street. After coming to his senses, he asked: "An' what piece do yez play nixt?'

"Do you really believe that an ass ever spoke to Balaam?" queried a man who prides on his intellect. Coleridge, to whom the question was put, reflected very calmly for a few moments, and then responded, "My friend, I have no doubt whatever that the story is true. I have been spoken to in the same way myself."

MAIN & WINCHESTER

Nos. 214 and 216 Battery Street,

SAN FRANCISCO.



No. 35.
ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47:20

SAN FRANCISCO CORDAGE CO.

ESTABLISHED 1856.

Have constantly on hand a full supply of all kinds of Manilla and Sisal Rope—manufactured from the PURE Fibres—and by the latest improved machinery. All our Manilla Rope GUARANTEED.

HAY ROPE.

The special advantages of Rope for baling purposes, are the uses to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for Halters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when baled with Rope.

FOR SALE BY ALL DEALERS.

TUBBS & CO.,
611 AND 613 FRONT STREET,
SAN FRANCISCO.

49:7

HENRY KIMBALL.

Bartling & Kimball,

BOOK-BINDERS, PAPER RULERS
AND MANUFACTRUERS
—OF—
BLANK BOOKS.
605 Clay Street, S. W. corner Sansome
San Francisco. 45:15

A GOOD PLAN.

Anybody can learn to make money rapidly operating in Stocks, by the "Two Unerring Rules for Success," in Messrs. Lawrence & Co.'s new circular. The combination method, which this firm have made so successful, enables people with large or small means to reap all the benefits of largest capital and best skill. Thousands of orders, in various sums, are pooled into one vast amount and *co-operated* as a *mighty whole*, thus securing to each shareholder all the advantages of the largest operator. Immense profits are divided monthly. Any amount from $5 to $5,000, or more, can be used successfully. *N. Y. Baptist Weekly*, September 20, 1878, says, "By the combination system $10 would make $75, or 5 per cent.; $50 pays $350, or 7 per cent.; $100 makes $1,000, or 10 per cent. on the stock, during the month, according to the market." *Frank Leslie's Illustrated Newspaper*, June 29: "The combination method of operating stocks is the most successful ever adopted." *New York Independent*, Sept. 12: "The combination system is founded upon correct business principles, and no person need be without an income while it is kept working by Messrs. Lawrence & Co." *Brooklyn Journal*, April 20: "Our editor made a net profit of $101.25 from $20 in one of Messrs. Lawrence & Co.'s combinations." New circular (mailed free) explains everything. Stocks and bonds wanted. Government bonds supplied. Lawrence & Co., Bankers, 57 Exchange Place, N. Y. 42:10

New Books—Life Science.

The following valuable new works just received at THE CALIFORNIA FARMER OFFICE, 320 Clay Street, worthy special attention:—

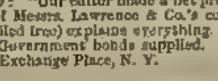
"PLAIN HOME TALK AND MEDICAL COMMON SENSE,"

A most valuable work, one volume, 900 pages, fully illustrated with 200 engravings.

"SCIENCE IN STORY,"

A most interesting volume of nearly 1200 pages, admirably illustrated; Also, "Science in Story" in five volumes, most admirably written and most inviting to every reader and conclusive in the arguments of every story.

These Volumes are all Edited by Dr. E. B. Foote, and issued by the Murray Hill Publishing Company, of Chicago, Ill., and for sale at the FARMER OFFICE.



FOUR SPLENDID WAGONS.

Farmers who desire a splendid Single or Double Seated Wagon, of the BEST make and BEST finish, can have a special bargain if they will call at 320 Clay Street, FARMER Office, where style of the Wagon will be shown them, price and terms also. An early call will secure a bargain rarely obtained.

BERKSHIRE SWINE RECORD.

A SPLENDID WORK IN THREE VOLUMES, ELEGANTLY illustrated with plates of the finest Berkshire Swine in the United States and the Canadas, sent out by the American Berkshire Association, is now for sale at the CALIFORNIA FARMER OFFICE, 320 Clay Street.

THE BEST WAGON ON WHEELS

IS MANUFACTURED BY

FISH BROS. & CO.,

RACINE, WIS.

WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

USING NOTHING BUT

First-Class Improved Machinery and the Very Best of Selected Timber,

AND BY A THOROUGH KNOWLEDGE OF THE BUSINESS, WE HAVE JUSTLY EARNED THE REPUTATION OF MAKING

"THE BEST WAGON ON WHEELS."

We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ———, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {TITUS W. FISH, EDWIN H. FISH, JNO. C. HUGGINS,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. Send for Prices and Terms, and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.
—OR—
GEO. A. DAVIS,
Manfacturers' Agent for Pacific Coast,
327 MARKET STREET,
SAN FRANCISCO.

48 17

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS
To all Parts of the United States.

J. F. FARNWORTH. . . . . M. T. BREWER.

NOW IS YOUR TIME TO ADVERTISE.

ADVERTISERS ABROAD AND AT HOME.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows:—All line advertisements will be ONE DOLLAR for Five Lines, or less, Nonpareil, *first insertion; larger space, Fifteen Cents per Line;* each subsequent insertion, *Ten Cents per Line.* This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $20.00.

For one-eight of a column, three months.....$15.00 | For one-half of a column, three months..... 50 00
For one-quarter of a column, three months ..... 30.00 | For an entire column, three months..... 100.00

For a single month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable: the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rates.

WARREN & CO., Proprietors,
320 CLAY STREET, SAN FRANCISCO.

COMMISSION SALES-ROOM,

—AND—

Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and every article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENNO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 5 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine **Patent Bee Hives** of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,
320 Clay Street,
SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Liniment for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Liniment is needed, as it has been proved to be the best Liniment known.

FOR SALE,
Wholesale and Retail,
WARREN & CO.,
320 Clay Street,
AGENTS FOR DAVID CLARKE'S REMEDIALS.

Australia and New Zealand!

IMPORTANT INFORMATION.

Just Received at this Office

CLARKE'S

ILLUSTRATED QUEENSLAND ANNUAL.

Containing valuable information relative to that great and wealthy section of country, and of importance to our Merchants, especially to all who do business with that country.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

San Francisco, November 20, 1879.

Money and Exchange Tables.

Bill on England, new style, long and short	4 81½ a 4 83½
Gold, at par	— 1 00
Silver, at par, in sums of	— 20 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	10s 3d a 11s 6d.
Value of Club Wheat in Liverpool	11s 6d a 12s d.
Value of Wheat in New York, bushel	1 32 — 1 55
Value of Wheat in New York, bushel	1 20 — 1 30
Brewers Barley in New York, bushel	30 — 35
Wool in New York	

MONEY AND EXCHANGE TABLES.

The *Money Market* of our city and State shows a great abundance of money in all our banks and among our capitalists, money is held in close abeyance, by reason of the want of confidence in future legislation, which checks to a large degree many of the enterprises that otherwise would be started.

The decrease of the capital of the Bank of Nevada and Bank of California, and other institutions show that money is being invested in U. S. Bonds and sent abroad, whereby it escapes taxation, thus taking so much capital away from us, that should be given to our manufacturers and to our mechanical enterprises that now languish, and are made worse by means of strikes, that deter many capitalists from any new enterprises, and thus prevents California from enjoying the tidal wave of good times now is so exciting in the Eastern States.

The great drain of gold from England and France to America for our exports, now enormous, has caused an advance in the rates of interest in England, and will make money more and more valuable there, while this country will be flooded with gold—this it is that has started the speculation in breadstuffs, wool, hops, hides, leather sugar, coffee, and all products that go abroad.

Money here at banks on commercial paper is 7 to 10 per cent., according to time and quantity—at saving institutions on real estate 8 to 10 per cent. including taxes—and plenty all round.

GRAIN AND FLOUR MARKET.

The *Grain Market* of our city is in a very peculiar state after the unexpected and great advance of wheat to $2.25 the cental, and the advance of freights to 65 and 67s. the ton, and while all interested in the grain interests were stimulated and feeling hopeful of the good time long or that was near, a sudden check has been given to the market, and it has receded back to $2 and $2.05 again, with prospect of remaining there or going lower, for the reports from abroad show large stocks in Europe and on the way, and a general unwillingness of dealers to buy, and no inclination to speculate.

The effect of the European news, even with the knowledge of a large deficiency in crops of all kinds, does not start up the market.

One fact that our grain growers and dealers on the Pacific coast should bear in mind, even with all the favorable chances we enjoy to the European markets is that the grain and flour we are able to supply is but as a speck upon their markets, as compared with all their wants.

Our Eastern States with their immense harvests, with Russia and other great grain countries can beat us ten to one, and if our grain growers had but sold their grain rapidly when it was $2.20 or $2.25, we believe they would have done better than to hold on.

The *Flour market* has a lull again, less export abroad, so that our millers do not run night and day as they do in good business times, although our flour has some export steadily. Prices rule at about the same as last report.

The *Barley market* is more active as was hoped for, it does not show high prices, but steady sales, and although some considerable lots have gone to New York, Australia, and other places abroad—yet the holders complain of rather dull markets.

The *market* for *Oats* is also dull, with some arrivals from Oregon—*Corn* has a good demand and firm price, shipments of corn has also been made by last steamer to Australia—*Buckwheat*, little demand—while *Rye* is wanted for export.

Hay has a dull market and low prices—*Bran* and *Middlings* rule as before—*Ground Barley* little change—*Corn Meal* same—*Oil Cake Meal* unchanged.

The *Hop market* shows high figures for choice new hops, and good prices for old hops, shipments abroad is quite large, with an active market in New York, and in England where the crop has generally been spoiled—(See Wells' Hop Circular in another column).

The *Honey market* shows a lessened receipt from all sections, and prices higher, best comb honey in good demand, some 50 per cent. higher than at the first of the season—*Beeswax* in demand, prices firm.

The *Potato* supply is actually enormous, and the accumulations lead to a loss when stored, as the late warm weather induces quick decay—potatoes were never better nor cheaper—choice Early Rose can be had for 25 cents per box, one of the best potatoes ever raised.

Onions are splendid in quality, large, clear and fine, they are selling so low that the supply is very light, they rate 40, 50, 60 and 70 cents per cental, as to sorts.

The *market* for *Beans* is some better this week, a better inquiry and prices a little better, ranging from $1.20 the Pinks and Bayos, to $1.75 for best Pea beans, and $4.75 to $5 for Lima beans.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 79 — 1 80
do Choice do.	1 95 — 2 05
do Milling do.	2 07 —2 25½
Barley, per 100 lbs., feed	75 — 80
Barley, for brewing, (Chevalier)	1 55 — 1 75
Rye	1 10 — 1 20
Oats, California, per 100 lbs	1 15 — 1 40
Corn, do. do.	80 — 1 05
Flour, Superfine, per bbl	4 25 — 4 50
do, Extra	5 00 — 5 50
Extra Flour for shipping	5 50 — 6 00
Very Extra Family Flour	6 00 — 6 50
Oregon Superfine	4 25 — 4 50
do. Extra for Shipping	5 50 — 6 00
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 50 — 1 65
Bran per ton	14 00 —15 00
Middlings per ton	17 50 —18 00
Ground Barley	18 00 —20 00
Oil Cake Meal, for feed, per ton	34 00
Beans, per 100 lbs, various	1 20 — 1 75
Beans, Lima	4 00 — 4 50
Potatoes, common	25 — 30
Potatoes, choice	40 — 75
Early Rose	40 — 50
Sweet Potatoes	55 — 95
Onions, new	50 — 75
Hay per ton, ordinary	6 50 — 9 00
Hay per ton, extra	10 00 —11 00
Wheat Hay	11 00 —13 00
Alfalfa Hay	
Straw per ton	4 00 — 5 00

Retail Prices in the Fruit Market.

Our *Fruit market* this year will show a great contrast from Eastern markets at this time, for while the markets in the Eastern cities are surrounded with snow drifts and the streets covered with snow one or two feet deep, here we have delightful sunny days with open markets and our sidewalks piled with luscious fruits, here even now near our Thanksgiving Day, we have strawberries and and raspberries, figs, peaches plums, pomegranates, pears, apples and grapes in abundance, and melons also—while oranges, lemons, limes, bananas, pine apples, etc., in great plenty—what other market in the United States can beat this?

Apples, per box	50 — 1 00
do. do. lb	4 — 7
Pears, per box	75 — 1 25
" per lb	6 — 8
Figs, dried, per lb	12 — 15
Fresh Figs, per lb	10 — 12
Australian Oranges, per doz	40 — 75
" Lemons, per doz	40 — 50
Tahiti Oranges, per doz	20 — 30
Lemons, imported, do	20 — 30
Limes, do. do.	50 — 75
Pine Apples, each	2 50 — 4 00
Bananas, per bunch	30 — 40
California Oranges, per dozen	30 — 50
" Lemons, "	15 — 25
" Limes, "	10 — 15
Strawberries	— 15
Raspberries	8 — 12
California Walnuts, per pound	12 — 15
Almonds, hard shell, per pound	16 — 18
do. soft shell, do.	12 — 15
Foreign Pecan Nuts	12 — 15
Madeira Nuts	15 — 20
Foreign Brazil Nuts	12 — 15
Filberts	7 — 10
Chin Waunuts	8 — 10
Pea Nuts	

Retail Price in the Vegetable Market.

The *Vegetable market* we are sure cannot be beaten the world over for November, we have green peas, egg plant, cucumbers, corn, cauliflowers, celery, and all kinds of salads, all in abundance and cheap.

Asparagus	6 — 8
Artichokes, (French) per doz	10 — 15
Tomatoes, per lb	3 — 5
Beets, per doz	8 — 10
Broccoli, each	8 — 10
Cauliflower	8 — 10
Cabbage, do.	20 — 25
Carrots, per doz	75 — 1 00
Celery do.	50 — 75
Celery Root per dozen	10 — 12
Cranberries, per gallon	30 — 40
Cress, per dozen bunches	60 — 80
Dried Herbs, per doz	5 — 6
Green Peas, per lb	10 — 12
Lettuce per doz. bunches	5 — 6
Onions per lb	10 — 12
Horseradish, per lb	8 — 10
Okra, green, per lb	— 50
Okra, dried, per lb	15 — 2
Choice Potatoes	2 — 3
New Potatoes	1 00 — 1 50
Potatoes choice, per 100 lbs	2 — 3
Kidney Potatoes, per lb	1½ — 2
Pumpkins	— 15
Parsnips, per doz. bunches	— 25
Salsify, do. do.	15 — 20
Parsley, do. do.	40 — 60
Pickles, per gallon—	6 — 8
Radishes per doz. bunches	2 — 3
Rhubarb, per lb	2 — 3
Squash, Marrowfat	2 — 3
do. Hubbard	8 — 10
Lima, Dry	5 — 6
String Beans, per lb	— 8
Sprouts per lb	4 — 5
Salsify, per bunch	— 15
Turnips, per doz	8 — 10
Garlic	15 — 20
Eschalot	8 — 10
Mushrooms	

Fish Market.

The *Fish market* is finely supplied, and at low selling price now—fish of all kinds are cheap enough.

Salmon ₱ lb	4 — 6
do smoked new	5 — 8
do pickled, ₱ lb	6 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Halibut	— 10
Smelts, per lb	— 10
Perch do.	— 10
Rockfish do.	— 10
Codfish, dry, per lb	— 8
Herring, fresh, per lb	— 25
do smoked, ₱ doz	— 12
Tomcod, per lb	— 10
Sardines, fresh, per lb	15 — 20
Solefish, per lb	— 25
Mackerel pickled, each	8 — 10
Shrimps, per lb	12 — 15
Flounders do.	15 — 20
Sea Bass do.	20 — 25
Halibut do.	2 — 4
Sturgeon do.	25 — 50
Turbut do.	2 50 — 3 00
Terrapin, ₱ doz	— 2 50
Pompono do.	— 25
King Fish do.	12 — 17
Anchovies do.	2 00 — 2 50
Frogs, per doz	

Shell Fish.

The *Shell Fish market* is very fully supplied with all the needed, as well as all the epicurian varieties.

Oysters ₱ 100 choice	60 — 75
Chesapeake oysters per dozen	50 — 75
Crab Fish, per lb	12 — 15
Clams per 100	— 50
Mussels do	— 25
Crabs, boiled, each	— 25
do soft, per doz	— 50

Retail Meat Market.

The *Retail Meat market* shows as fine beef, mutton, veal and pork as any market in the Union, and the prices of our retail meats are such as to suit all our good housewives, for they are low

Porter House	15 — 18
Porter House, extra	18 — 20
Beef, tenderloin, per lb	15 — 18
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	3 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	8 — 10
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	6 — 8
Beef tongues, each	— 75
Pigs tongues, each	— 15
Bacon, California, salt per lb	13 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	13 — 15
Choice hams, Duffield	15 — 16
Whitaker, St. Louis, Mo.	15 — 16

Poultry and Game Market.

The *Poultry market* shows a great abundance, with the prices all round lower, game equal to the demand and low.

RETAIL PRICES.

Ducks tame each	75 — 90
Geese tame, per pair	2 00 — 2 50
Broilers	40 — 50
Large Chickens, each	75 — 87
Hens, each	67½ — 1 00
Turkeys, dressed, per lb	22 — 25
Pigeons, domestic, per doz	4 00 — 4 50
Quail, per doz	1 50 — 2 00
Hares each	25 — 38
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Venison	10 — 15

Poultry and Game—Wholesale.

Broilers, per doz	3 00 — 4 00
Large Chickens, per doz	5 00 — 6 50
Hens, per doz	6 00 — 7 50
Turkeys, dressed, per lb	18 — 22
Ducks, tame, per doz	5 50 — 7 00
Quail, pe. doz	1 00 — 1 50
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Rabbits, tame, per doz	1 50 — 1 75
Squirrels, per doz	75 — 1 00
Venison	5 — 8

Retail Dairy Market.

The *Dairy Market* is now much better supplied with fresh roll butter and prices recede a little, pickled roll butter low in price plenty, Eastern butter, little of best quality in market, common is plenty. Cheese of best quality wanted. California eggs a little lower as Eastern and Oregon eggs are plenty

Butter, California, Extra Choice per lb	40 — 50
do. do. for (Cooking) do.	30 — 35
do. do. packed best roll	25 — 30
do. do. Eastern	20 — 25
California Eggs, per doz	40 — 50
Oregon "	25 — 30
Duck Eggs do	30 — 35
Cheese per lb	15 — 20
do. Sage, per lb	25 — 30
Eastern Cheese, do.	25 — 30
Lard, California, per lb	16 — 18
Lard, Eastern, do.	15
Honey, Comb	15 — 16
do Strained	10 — 12
Vermont Maple Sugar, per lb	20 — 25

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb. (Fresh)	35 — 40
do. Packed Roll, do.	20 — 22
Eastern Butter	16 — 20
Cheese, California, per lb	10 — 13
California Eggs, per doz	35 — 40
Eastern Eggs, per doz	16 — 20
Duck Eggs, "	30 — 32
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	13 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging market* has had many ups and downs since the combination was made, and this combination have had good pluck to hold on, and had it not have been for the loss of the ship "Naturalist" with her large cargo of bags, the market would have been broken, as it resulted, was a fortunate thing as it kept the market strong—the combination has also been favored by rise of the raw material in Calcutta, which advanced prices abroad, some 25 to 30 per cent.

Bags are now firm at 10½ to 12 cents jobbing—and 9½ to 10 cents for next May orders, some 3 000 bales bags are nearing port—but the price will be kept up to 9½ to 10½ private, though combination sales claim 12 as their prices.

Potato gunnies are 13 to 13½, and these may advance, as the crop of potatoes is very large.

Hand Sewed Bags, Standard, 22x36 com. prices	10½ — 11½ cts.
Second Hand, Extra	9 — 9½ do
Machine Sewed, 22x36	8½ — 9 do
do. do. 20x36	— 8½ do
Barley Bags, 22 x 40	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— 8½ do
Wool-sacks, new	45 — 50 do
do. second hand	30 — 40 do
Potatoe Gunnies, Double Sewed	14 — 16 do
do. do. Second Hand	10 — 10½ do
Flour Bags, quarters	4½ — 5 do
do. halfs, six qualities	7 — 9 do

Stable Home Products.

Our *Home Products* are every year showing more and more how rapidly we are preparing to be an independent State, independent for many of the products we formerly imported.

California now exports raisins, nuts of many kinds, fresh and preserved fruits in large quantities, and in a brief time oranges, lemons, limes, and many other articles will be exported from California, returning a large revenue to our State.

Flax Seed, per lb	2½ — 3
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	2 — 2½
Castor Oil No 1 Diamond in cases, per gallon	— 1 00
" " " barrels "	— 1 30
Castor Oil, No. 2 Diamond in cases per gallon	— 90
" " " barrels "	— 85
Linseed Oil, Boiled	— 83
do. Raw	— 55
Cocoa Oil	6 — 8
Hops, California	25 — 35
Hops, new	10 — 12½
Alfalfa	5 — 10
Mustard Seed	4 — 5
English do.	2½ — 3½
Canary Seed	8 — 10
Coriander Seed	3 — 5
Broom Corn	23 — 25
Bees Wax	

California Leather Market Report.

The condition of our *Leather, Hide* and *Tallow market* show hopeful improvement, and a prospective better future for our tanners and stock men, each and all these are firm in price with an improved demand.

California Sole Leather	22 — 28
do. Harness do.	28 — 30
do. Skirtings,	30 — 37½
Bridle Leather	44 — 54
Rough do. Oak Tanned	18 — 22
Waxed Calf Skins	50 00 —55 00
do. kips do. per dozen	13 — 15
do Leather per foot	

Wool, Tallow, Hides, Etc.

The *Wool Market* has had, and is having, quite an exciting time of late, in the large advance in prices which has taken place in our market, the wool packing warehouse of Messrs. Falkner, Bell & Co. has had a lively time of it, and large sales have been made by them at full prices, this firm and others have all made large sales, and thus nearly cleared out the wool of the season.

So large has been the sales, and so brisk the advance, that purchasers of wool went down on the last steamer to Australia to purchase wools there, thus assuring us that wools may now be considered as in great demand, and that full rates will be realized for a long time ahead.

Our correspondents at Boston, New York and Philadelphia all write us of active markets and full prices—with manufactories in full blast.

Wool, Spring Clip	20 — 23
do. Choice Extra	25 — 28
Fall Clip	16 — 18
Oregon Wool, per lb	25 — 28
Eastern Oregon	17 — 20
Medium, bright	10 — 20
do. Burry	12 — 15
Goats' Wool (mohair)	30 — 75
Dry Hides, per lb	18 — 19
Green Salted, per lb	8 — 9
Deer Skins	60 — 1 00
Sheep Skins, wool on	25 — 75
do. do. plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	5 — 5½
Tallow, refined	7 — 8

Average Slaughtering Prices.

The cattle interest is one of the great interests of our State, their value is millions, at present the wholesale rates are low, and the sale is large—even with the large stock of cattle in our State, large numbers are driven to our State from other parts of the coast, thus affecting our market, the present price is low as our rates show.

Beef, American, 1st. quality	5 — 6 cts
do. do. 2d. do.	3 — 4 do.
do. do 3d. do.	3½ — 4 do.
Veal	5 — 7 do
Mutton	2½ — 4 do
Lamb	4 — 6 do
Pork, Undressed	3 — 3½ do.
do. Dressed	4 — 5 do.

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FIRST-CLASS STEAMERS WITH UNEQUALED ACcommodations for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU October 27th, and every fourth week thereafter.

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports, also, HAVANA and all WEST INDIES ports on 5th and 19th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORTLAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

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General Agents,

Corner First and Brannan Streets.

49:16

C. P. R. R

COMMENCING

SUNDAY, JUNE 6th, 1875,

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted, Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma. (Arrive 5:55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 5:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 5:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 9:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Caliente and Los Angeles Also at Niles with Train arriving at San Jose 8:55 P. M. (Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily. (Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND.

"Daily"—7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M., 12:00, 1 00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00, 6:30, 7.00, 8:10, 9:20 and 10:30 P. M.

"Daily, except Sundays"—6:10 A. M. and 11:45 P. M.

"Sundays only"—10:30 and 11:30 A. M.; 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily" 7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4:00 5:00 6:00 and 10:30 P. M.

"Sundays only" 11:00 A. M., and 1:30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M.; 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—7:30, 8:30 and 9:30 A. M.; 1.00, 3:30, 4.30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—8:30, 11:00 A. M. and 11:45

"Sundays only"—10:30, 11:30 A. M. and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 and 10:10 P. M.

"Daily, except Sundays"—5:10 and 5.50.

"Sundays only"—11.40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:03 and 9:00 A. M.; 3:00, 3:58, 5:00, 6:06 and 7:00 P. M.

"Daily, except Sundays"—6:00, 5:40, 11:30, A. M., and 1:30 P. M.

"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—6:55, 8:00 and 11:05 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M.; 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:30, 6.50, 7:20, 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays"—5:20 A. M. and 1 50 P. M.

"Sundays only"—10:20 and 11:20 A. M., 12:20, 1:20 and 1:35 P. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

SUMMER ARRANGEMENT.

Commencing Monday, April 21, 1879,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows.

8.20 A. M., *Daily* for San Jose and Way Stations. ☞Stages for Pescadero (via San Mateo) connect with this train only.

9.30 A. M. *Sundays only* for San Jose and Way Stations. Returning, leaves San Jose at 6 P. M.

10.40 A. M. *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Salinas, Soledad, and all Way Stations.

☞AT PAJARO the SANTA CRUZ, R. R. connects with this train for Aptos, Soquel and Santa Cruz. At Salinas the M. & S. V. R. R. connects with this train for Monterey. ☞Stage connections made with this train. (Pescadero Stages via Sanlitaco excepted.)

Parlor Car Attached to this Train.

(SEATS AT REDUCED RATES.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, Pajaro, Hollister, Tres Pinos and principal Way Stations.

☞SPECIAL NOTICE—The trains of the Santa Cruz R. R. and the M. & S. V. R. R., which have been connecting with this train on Saturdays at Pajaro and Salinas respectively, have been withdrawn for the season. Those intending to visit Aptos, Soquel, Santa Cruz or Monterey, will take the train leaving San Francisco at 10:40 A. M., daily.

3.30 P. M. *Sundays only* for San Jose and Way Stations.

4.25 P. M. *Daily Sundays excepted* for San Jose and Way Stations.

5.00 P. M. *Daily Sundays excepted* for Menlo Park and Way Stations.

6.30 P. M. *Daily* for Menlo Park and Way Stations.

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To San Jose and intermediate points, sold on Saturdays, and Sunday morning, good for return until following Monday inclusive, as follows

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Oak Grove	0.90	Mountain View	2.00
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Try and See! 10 cents and stamp fetches the "Critter." It will make you laugh. Remember it is only 10 cents, and stamp. Box 499, Sandwich, Illinois. Mention this paper. 49:18

1854. 1879.

THE CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FIFTH year with 1879, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD of the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on this Coast—this was at Sacramento in the year of 1852, and also the GRAND FAIR at San Francisco in 1853—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

THE CALIFORNIA FARMER was the first and only advocate of SILK CULTURE, TEA CULTURE, COFFEE CULTURE, COTTON CULTURE, and the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS, and this was in early years when the masses lightly esteemed all such enterprises.

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THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE OF AGRICULTURE, which such years of labor merit, our JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

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California Farmer.

1879.

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CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, DECEMBER 18, 1879. NO. 20.

The California Farmer.

—AND—

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Published every Thursday Evening

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WARREN & CO., Publishers.

GOVERNMENT FINANCE AND CURRENCY.

PAYING STATE AND MUNICIPAL DEBTS—NO REPUDIATION NECESSARY—A GOVERNMENT BANKING DEPARTMENT WITH BRANCHES IN EVERY STATE.

BY J. M. HORNER.

ED. CALIFORNIA FARMER—*Dear Sir*

Knowing that God has blessed you with a kind and sympathetic heart, to comfort the afflicted and relieve the burdens of the oppressed when in your power to do so, and believing as we do that if that Government Banking System of which we conversed freely in your office some years ago were enacted into a Law it would restore to the people and the Government, more pecuniary blessings, grant them more financial privileges, create more rejoicing and relieve more misery than any human law now existing among men.

Two of *not the larger blessings* is pointed out in the communication which I send you for publication; trusting in God that through your widely circulated Journal, some mind may penetrate its beauties and blessings, and have influence and power sufficient to bring the subject before the American people in a manner they would both understand and adopt, and thus save themselves from Financial ruin.

Repudiation of some State and Municipal debts are now being agitated, and also of the Government assuming the several State debts:

"We will now point out a way for their payment without distressing the people with further taxes for the purpose, after in fact, they will pay less money than now, the first year that a payment is made upon the debts by this theory, and correspondingly less every year after, until all is paid, working out this blessing to the States, and a credit to the General Government, as hereinafter set forth.

The plan is to pay the State debts with the net proceeds of this *proposed bank, after the national debt is all paid.*

No one should object to such a course, seeing that not *one cent* would be taken from the *pockets* of the *people or the treasury* of the *Government* for that purpose. But, on the contrary, all would be benefited by the liberal workings of this bank in supplying a superior currency for business purposes at *one-half* the interest now paid for the use of money. Paying the State debts as here set forth, would do more towards turning the hearts of the people of the South toward the Government than all arbitrary laws or standing armies that could be equipped and sent into that unhappy States. Not only would the debts be paid by the working of this plan, but it would act as a great throbbing heart to the body politic, forcing the life-currents of business into all the extremes of the country where they are now cold and death-like. By blessing them with plenty and cheap money for manufacturing and all other business; by reducing tariffs and taxes (the latter now equaling a fair business in some States.) These clogs to business and oppressive burdens being lifted from the people, business would permanently revive; comforts would be created; industries flourish, and all men would be busy laboring and discussing with thankful hearts and friendly countenances, their comforts, their business and future prospects, and have no time nor disposition to brood over real or imaginary wrongs, as at the present time. *Now* they are idle, suffering for earthly comforts, no work, no business. Crushed by oppressive interest, large debts, taxes, etc.; quarreling with neighbors, even to blood shed; and blaming everybody, and particularly the government, for all the evils they now suffer. This theory would change the masses in their action, feelings and looks, almost their very natures would be changed by the warm sunshine of prosperity thus communicated direct from their Government, without the intervention of usurers, national banks, or other monopolies to absorb, like a desert, all the wealth created by the people and all that flow from the Government, and measurably the Government itself, and produce nothing to sustain either, in return.

It would be only a paternal act on the part of the Government, to reach out a helping hand to steady the tottering steps of some of its more unfortunate children. The States being organized for mutual protection and benefit, should have a sisterly or family sympathy one for the another. This mutual protection and benefit, this Government cooperation on a grand scale, for which these States confederated, has never been wholly enjoyed by the States. The Government has protected them from invasion, but the many blessings that could have been granted by the Government if Congress had done its duty in supplying a currency, has entirely been lost, and the producers of the country, given over to the tender mercies of the usurer, and the States compelled to sell themselves to European stock-jobbers, to obtain money which *Congress had full power to supply* and at *one-half of the interest they now pay.*

Let Congress hasten to correct this blunder, and for the credit of the Government, no State should be disgraced or bankrupted for the want of a little financial help which could be given without cost to the Government or people as in this case. The people are now paying an oppressive interest for the use of money, which the law compels them to use, of at least 8 per cent. per annum, and no public debt is paid therewith. If this bank was in operation, the average interest, though still above an equitable one, would not be above 4 per cent. per annum—a portion of which would be paid to this National Bank and applied upon the debts; the other portion would fall to private ownership as at present, while the other 4 per cent. would remain in the people's pockets. Thus the people would save one-half of the interest now paid for the use of money, and one-half of the taxes now paid for the use of money, and one-half of the taxes now paid as interest on their State debts, at the same time yearly reduce the debts. Am I not justified then, in claiming that this theory would pay the State debts without taxing the people to do it? Yes, more—the people would directly save full *four times* the amount of the debts while paying them by this plan, to say nothing of the extra development of the country in improvements and products, by retaining this vast sum in the hands of the producers."

In other words, the producers now pay as per statistics an average interest for the use of money of 8-010 per annum they would then pay 4-010 or less, and a portion of the latter would be paid to this Banking Department and applied upon the National or State's Debts, and if by that means $30,000,000 should be paid upon those debts yearly, $200,000,000 would be saved annually to the producers. Now those vast sums are all paid to Shylock's U. S. interests, rents, etc., who without creative labor are getting rich, proud, arrogant and snobbish. While the producers are getting poor and independent, and Municipalities, States and the Nation are burdened with debts.

"*How the debts should be paid.* The bank should lend the States upon their bonds enough money to pay their debts as they become due, at 3.65 per cent. per annum interest, and by special act, Congress should set apart the net proceeds of the bank for seven or eight years to pay the Bonds of the States now to be held by the bank, and authorize the bank to cancel obligations pro rata as fast as the money accumulated in its vaults.

But while the obligations are under process of cancellation, and to prevent an accumulation of the debts, each State must promptly pay the interest on its indebtedness.

In time past, financial help has been granted to railroads and other improvements, which comes directly from the treasury of the Government. And should aid, as here set forth, be denied to members of this Union? No! verily No!

The States are more than jewels in the crown of our Government. If they are disgraced, she is humbled. If they are honored, she is glorified. Without them she cannot exist.

It may well be inferred that with our present increase of population and business, the net proceeds of this bank would pay all of the present national and State debts in less than thirty years—when, without it, the present out-look of their ever being paid, is gloomy indeed.

Here we have a *sure way* of releasing ourselves, and our *children* from the burden of national and State debts, and giving to each State a vigor and promise of future prosperity—a new feeling of self-respect, and an interest in the General Government—inspiring a feeling of love for the Union *never before felt.* And the States being encouraged by the enjoyment of these further advantages of their national cooperation, would arise, as with the strength of young giants, to do honor as members of this confederation.

Not only so, but our government itself, being revivigorated and supported by such strong and healthy members, to honor her and love her, would take a stand respected and honored both at home and abroad, she never before enjoyed.

And we could show the world some more of the practical advantages of a Republican form of Government of the people, *by* the people, and *for* the people.

Not only would these debts be paid by the practical workings of this theory as here set forth, but it would insure the Government and the States against high interest and all foreign debts in future."

Paying municipal and county debts. Another blessing of great importance could be wrought out by the establishing of this Banking Department, viz: counties, cities, corporation, etc., that are now only able to pay the interest on their indebtedness, could then borrow money to pay their debts as they become due, at one-half the interest they now pay for the use of money, and the other half of their present interest could be set apart yearly as a sinking fund to pay their debts. Thus in less than 30 years all could relieve themselves of debt and all their creditors be honestly paid, without any further tax than sufficient to pay their present yearly interest.

The national Debt would be paid by this Bank in about 20 years, and the State's debts in less than 8 years, and without tariffs or taxes raised for the purpose, should this subject ever receive serious consideration from the American people, we shall expect to hear a great howl from interested parties whose craft would be in danger.

But justice is now demanded by American producers, and as statistics show that money at interest yields over 8-010 per annum while the borrower that invests it in the industries gets less than 3-010, thus taking 5-010 more from the borrower than the money yields him, which is not just.

If the industries yield only 3-010 net, that would be equitable interest for the use of money, and as money is created by law, certainly interest should be no greater than the net income of the industries which are the fruits of labor, brain and muscle. France, by the last report of her Minister of Finance, it appears supplies her industries with money for 2-010 per annum, she has $66 currency per capita, while we have less than $12 and our average interest is over 8-010 per annum, certainly our Government has as much power to create money as France. Then let her supply it to States and the people upon undisputed security at 3 to 5-010 or less. We demand justice and equal rights to every American citizen, that bank, or, miners, manufacturers and farmers be supplied with money upon the same terms.

We demand it not because it is now lent to bankers for 1-010 but because it is our right as American citizens to receive money direct from our Government, who alone has power to make it. It is our ingenuity and industrial development that has made the United States famous throughout the world. Why not then encourage the industries, bless them, as well as tax them.

Foreign Correspondence.

SOUTHLAND, New Zealand, Oct. 20, 1879.

COL. WARREN—*Dear Sir.*

Through the kindness of some of your numerous readers, I have had the pleasure of perusing one of your Journals of date April 17th, wherein I notice your report of reapers and binders at the Bendigo Agricultural Society's Show.

In that report I find Mr. Wood's machine reported thus:

"Superior to any on the ground as regards lightness of draught, and simplicity of mechanism, the cost of removing the apparatus for cutting, twisting and binding being something under thirteen shillings.

If Mr. Wood can supply the Bendigo farmers with duplicates of his machine at thirteen shillings why does he not supply New Zealand farmers at the same price?

I have used his machine on my farm this year and had the misfortune, on more occasions than one, to break the above described piece, and in going to Mr. Wood's local agent to get it replaced I have had to pay, not only thirteen shillings but sixty shillings, Mr. Wood's machine has given general satisfaction and been largely used in this district, but the high price we have had to pay for replacing broken parts caused me to look round and try other makers, and in doing so I find a very useful and durable machine in the King Harvester, the binding part not so liable to break as the Wood's, and, if it does I find I can get it replaced at the maker's agent considerably under what the Wood's has cost me. Seeing your Journal is largely devoted to farming interests I hope you will give this publicity in view of bringing it under the eye of the makers of the machine, for by their supplying those parts that are so liable to break, at a low price, will tend to make their machines a success, and confer a benefit to a large number of farmers here, where laborers are so scarce.

W. A. LYON.
Pres. of Western Agricultural Society.

OUR FRONT PAGE.—We invite attention to the valuable Essay on "Government Currency," by one of our old and honored pioneers, of whose labors we shall speak in our next.

We invite attention to the very happy Letter of our esteemed Correspondent "Traveller" it will interest all our readers.

Eastern Correspondence.

A RAILROAD TRIP FROM CALIFORNIA TO NEW YORK.

Near BATTLE MOUNTAIN, Nevada, Nov. 1, 1879.

COL. WARREN—*Dear Sir*

The jolting of the cars is not conducive to letter writing, nor the moving of the paper good for weak eyes; still your presence is before me and your request to write to you rings in my ears, I cannot refrain from feebly answering the call.

When I think of your life long devotion to the cause of humanity and your ever active efforts to aid all who come within the circle of your influence, I cannot help feeling a strong desire to form words that would cheer your heart and make life's pathway a beautiful journey,

"Untouched by aught that would worry or alloy.
The fullest pleasures that man can enjoy."

You are ever blessing others and shall not the generous acts of your life come back upon you in the fullness of a perfect joy; you have been guided by the Iron Horse over the mountain and desert, others have traveled the route over and over again, page after page has been written by abler hands upon the trip from Golden Gate of our sunny California to the Democratic City of New York, so I can say nothing worthy of publication and will be pleased if from time to time my jottings shall be pleasant to your ear and after reading be consigned to your convenient waste basket.

I am also here reminded that your valued, valuable and entertaining Correspondent, "Lakeside" is on this train, and no doubt her ready pen will contribute to your pleasure and the gratification of the numerous readers of your valuable Journal. At 3 P. M. 31st October we entered the cars and after bidding good-by to loving and loved friends we seated ourselves for a seven days' trip across the Continent—the reveries of the train were on the parting from many loved ones and the constant changes that occur in life's pathway.

As we sped over the valley and began to climb the majestic Sierras, whose tops were being kissed by the fleecy, floating clouds as though being prepared for a night's rest after having been adorned by a glorious sunset, we looked with admiring eyes upon the scene, and thought of the wondrous power of the "God in whom we live and move, and have our being."

We thought the sermon of the sleeping sierras, the valleys being hushed to rest by the rippling stream and all being enveloped with a coverlet of fleecy beauty, was such an one as would still the skeptic's avowal of "No God," surely "God moves in a mysterious way his wonders to perform, and shall we not all with uncovered heads reverently ask the leadings through life of the 'Divine Hand.'

I did not start to preach you a sermon, but find I have had my thoughts led by Nature's beauties to the God of Nature.

As the cars rolled on and we saw the steel bands upon which we rode, we thought of the inspiration given man to enable him to tie city to city and continent to continent by the grandest civilizer now known, viz., the Rail Road and its twin sister, the Telegraph; whose lightning flashes tells us whether all is well ahead, or whether danger in the pathway bids us stop!

How much these have done for our race no pen can portray, and are not these uses and benefits for man given by the Almighty Father, whose word spoke the worlds into being, can it be that our trip to New York and elsewhere is hanging on two seeming threads that girdle our vast domain? Yes! should one of these threads be misplaced our journey might quickly terminate on the unknown shore; but so careful is man and so well are the threads of steel tied together that we rest peacefully as though on beds of down in our quiet homes and trustfully confide ourselves to the Father's care and believe we are in safety.

The evening trip was made joyously grand by the gorgeous scene at Cape Horn, surely Nature there puts on her grandest robes and her beauties were made very vivid and clear cut by the light of a brilliant moonlight.

The morning light found us passing through the sage brush of the Humboldt, but ah! what do we see as the porter cries out "30 minutes for breakfast" surely some Fairy Hand has been here and transformed the arid desert into an Eden, such a charming spot, the green grass, so beautiful always, but so exquisite in its loveliness when contrasted with its surroundings of alkali and sage brush—the rippling clear water, the beautiful fountain, the artificial lake with its inhabitants of swan.—Oh! what an oasis in the parched desert but we must not linger or our 30 minutes will have fled and we receive no breakfast.

With such surroundings we expect a bounteous repast is ready at the dining room, we entered, ate, were satisfied for the food and its preparations were in keeping with the outer surroundings of loveliness—success to those who have fitted up such a picture of beauty in so seemingly desolate a place—dear Colonel, I must not tire you further now; so good-by till another day,

Ever your friend, TRAVELER.

EUCALYPTOGRAPHIA.

HISTORY OF THE EUCALYPTS OF AUSTRALIA.

It is more than twenty years since we first introduced the seed of this wonderful species of trees into California, and then urged its culture, and having received the seed and the history of its many valuable uses we did all in our power to induce its cultivation here.

To this end we distributed FREE, thousands of packets of the seed, and for years since that early date, have continually presented the many valuable uses to which this tree could be applied.

We believe it is now admitted that there is no class of trees in the world that possess so many valuable qualities as the various species of the Eucalyptus Tree.

For many mechanical and manufacturing purposes, the timber of the eucalypts have no equal, for ship building, for wharves and piers, for wagon and plow making, or for furniture, this wood in its many varieties is the strongest, most durable of any wood known, there is plenty of proof that it has been found sound and good under ground, and under water after use of 20, 30 and 40 years.

For cabinet makers work the wood is susceptible of the highest polish, and superior to the best mahogany or black walnut and some varieties are as beautifully grained as our bird eye maple, laurel or olive woods.

The rapid disappearance of the most valuable timber lands of our country should quickly induce the cultivation of quick growing timber trees on all our vacant and waste lands, and there is no tree in the world so easily grown and rapidly matured as the eucalypts.

This class of trees will grow on any kind of land, mountain or valley, wet or dry, and trees fit for use can be grown in five years, so that persons having one or two hundred acres of mountain or rolling lands if but planted with this tree would be sure of an independent income of thousands annually from this timber after five years, this can be clearly demonstrated as we have all the data to prove it, there are now nearly two hundred varieties of this wonderful tree named and classified.

In order that this most remarkable tree shall be well and truly known, that distinguished Botanist and world renowned Scientist, Baron Ferd. von Mueller, has by long years of travel over mountain, hill and valley in all the regions where this tree grows, personally examined and studied all the varieties and has now prepared and completed a truly grand work, bearing the title of *Eucalyptographia.*

This work has been issued in four quarto series, each and all most admirably and beautifully picturing these wonderful species, giving the foliage, flowers and seed nuts, each and all scientifically and carefully described. Each variety of these trees as shown in the engravings have also a full text and description of the uses of the several varieties, together with suggestions and scientific notes, touching the value of these trees, which will prove of inestimable worth to the world, as the *Medicinal* and *Healing* value of the eucalyptus is now being better known.

The great pleasure and the valuable information we have obtained, and the many kind courtesies we have received at the hands of this distinguished savant who has honored us with his Correspondence for many long years, and whose writings have often appeared in the Columns of the FARMER, has placed us under great obligations to him, and recently we have been again highly favored by receiving from him as a kindly token this grand book, the *Eucalyptographia,* now completed in *four decades,* making 100 pages.

This now completed work of BARON VON MUELLER will add another star to his already most worthily earned and highly distinguished fame as a Botanist.

For this valuable work we can only tender to the author our most sincere gratitude, and trust his valuable life may be preserved long, long years, to continue the work he so much loves.

HON. M. P. WILDER.

This distinguished Horticulturist of Boston, Massachusetts, this Father of Horticulture in New England and the most earnest promoter of this Cause our Country ever had, is now as we rejoice to say steadily recovering from the accident that befell him some months since, a fall which confined him to his house.

By a letter we have from our honored friend he writes to us saying:

"My health has suffered from my confinement, but my hip is doing well, I can walk with canes through the greenhouses, have been to my office, to "Horticultural Hall" and to the "Historical Genealogical Society's House."

This news will gratify the friends of this noble apostle of Horticulture the world over, and although Mr. Wilder is now nearing his *fourscore years* the prayers of thousands will be offered that he may live to be a Centenarian in the cause he loves and cherishes.

It was a most gratifying sight to his hosts of friends, when, after his illness, to see him once more enter the Halls of Science, his "Home of labor" and his place of duty and pleasure; we can easily conceive how his companions would gather around and give him welcome greeting, we can almost hear that warm welcome to their venerable leader, and methinks we hear them say as they converse one with another—

"Age sits with grace upon his visage,
And worthily becomes his silver locks,
He wears the marks of years well spent,
Of virtue, truth well tried, and wise experience."

Agriculture.

Plow deep, while sluggards sleep,
And you shall have GRAIN to sell and to keep.

THE RED EAR.

One still October morning,
A long time ago,
'Twas in the whispering cornfield
I met sweet Jennie Rowe.

The golden ears were peeping
Through silver husks to see
A bashful lad in trouble
And Jennie watching me.

I ran and carried Jennie
A bright red ear of corn,
And then the crimson blushes
On her soft cheek were born.

We ran across the meadow
With hearts brimful of bliss.
Jennie kept the ear of corn—
I the cornfield kiss.

Now, through the frosty meadow,
An aged man I go.
Still on my lips I feel that kiss
Of fifty years ago.

CAPITAL COUNSEL FOR ALL PRODUCERS.

The great cattle and stock yards of Chicago is an excellent school to teach Stock raisers wisdom, the Editor of the *Chicago Stock and Grain Review* says emphatically,

"RAISE GOOD CATTLE AND HOGS.

Any man who will go to the stock yards and watch the sales one day, will become convinced that it pays to ship fat hogs to market, rather than lean, scrawny, scalawag stock.

First-class stock always command first-class prices; poor and indifferent herds have never a settled value, but are subject to all the whims and caprices of buyers.

We have noticed that the commission men take a real pride in showing and selling, an A. 1, consignment. With such stock they never get disheartened, concede, or throw away "a point," to effect a sale under the first offer. They know they have something really valuable, something that intelligent buyers want, something that bears scrutiny and shipment, and hence they get the "top" of the market.

We ask our California Fruit growers to consider the above facts carefully.

We can also invite all growers of fruit and vegetables to go through our markets and examine the different lots of fruits and vegetables that come from various sections of our State, see the quality of produce and style of packing, and they will not wonder that some growers realize a dollar a box for their fruit while others with the same chances realize only 50c., this arises from the fact of a want of care in packing, sorting and boxing—the first is well done while the latter is slovenly done.

One of the largest orchards and vineyards of our State is noted for its excellent fruit and the most excellent order and style in which it is sent to market, this always tempts the buyer to secure the best; the finest fruit is from the "Alhambra Gardens," of Dr. Strentzel, it always commands a quick sale, 25 to 50c. per box above the mass of fruit daily forced off at any and all prices.

AGRICULTURAL NOTES.

The Pacific Ocean covers 80,000,000 square miles; the Atlantic, 25,000,000; the Indian ocean, 14,000,000; the Southern, to 30 deg. north latitude, is 25,000,000; the Northern ocean 5,000,000; the Black Sea, 170,000; the Baltic, 175,000, and North Sea, 160,000.

Over 20,000 car-loads of live and dressed poultry are carried into New York city yearly, and 25,500,000 dozens of eggs go to the same market. According to the best estimates, the United States produces nine thousand million of eggs annually. This is a nice little item for the consideration of those who call chicken business—egg raising—a small thing. A common pin is a very little thing, but a paper of pins is worth setting a price on; while the manufacture of pins, like the production of eggs, is an industry worth the attention of men of ability and the investment of capital.

It is said that a company of Germans have offered to come to Baltimore and set up a large Sugar factory, provided the farmers will plant 2,000 acres, at least, with German beetroot. They guarantee to take the whole product at the rate of $5.00 per ton. It is said that good land ought to produce thirty tons of beets per acre.

What is the reason that Chicago would not be the right place for such an enterprise? The loamy soil of Illinois ought to produce more beets to the acre, than the old, worn out Maryland and Virginia fields.

The foreign exports from Boston to the week ending Oct. 10 were $1,476,218, being $300,000 more than for the previous week. The aggregate figures for the year, so far, have at last exceeded those for the corresponding period of 1878, they being respectively $41,422,563 and $41,143,332. The wheat exports for the week lead the values by a long shot, amounting to 272,471 bu., valued at $341,999. Then follow 5,288 bales cotton, valued at $258,501; 2,584,674 lbs. bacon, $168,761; 22,670 bbls flour, $125,877; 723 cattle, $72,300; 509,540 lbs. grease, $49,523; 302,134 lbs. butter, $46,373; 67,459 bu. corn, $32,383; 354,536 lbs. tallow, $33,966; 565,400 lbs. palm oil, $27,505, and other articles of lesser amounts. Of the total, $1,218,253 went to England, $98,531 Belgium and Holland, $51,472 British Provinces, $41,112 Hayti, $40,301 Africa, and lesser amounts to other countries.

THE PRESIDENT'S MESSAGE.

The Message of the President is now before the people and will be very thoroughly criticised.

We have read it through and we find it a most wise and statesmanlike Message, all the great and important interests of the Nation at home and abroad are clearly and carefully considered, and most wise patriotic expressions and recommendations are here presented for the consideration of the present Congress.

The President's views on agriculture is here given, he says:

THE DEPARTMENT OF AGRICULTURE.

My recommendations in former messages are renewed in favor of enlarging the facilities of the Department of Agriculture. Agriculture is the leading interest and permanent industry of our people. It is to the abundance of agricultural production, as compared with our home consumption and the largely increased and highly profitable market abroad, which we have enjoyed in recent years, that we are mainly indebted for our present prosperity as a people. We must look for its continued maintenance to the same substantial resources. There is no branch of industry in which labor directed by scientific knowledge yields such increased production in comparison with unskilled labor; and no branch of the public service to which the encouragement of liberal appropriations can be more appropriately extended. The omission to render such aid is not a wise economy; but, on the contrary, undoubtedly results in losses of immense sums annually that might be saved through well-directed efforts by the Government to promote this vital interest. The results already accomplished with the very limited means heretofore placed at the command of the Department of Agriculture, is an earnest of what may be expected with increased appropriations for the several purposes indicated in the report of the Commissioner. With a view to placing the Department upon a footing which will enable it to prosecute more effectively the objects for which it is established, appropriations are needed for a more complete laboratory, for the establishment of a veterinary division, and a division of forestry, and for an increase of force. The reinforcements for these and other purposes indicated, for the immediate necessities of the Department, will not involve any expenditure of money that the country cannot with propriety now undertake in the interests of agriculture.

We were most highly gratified to notice that the Agricultural Interest of our Country has been justly recognized by the President of the United States as is seen in the above extract from his Message just sent to Congress.

Well may the President say, *It is the basis of our Country's prosperity*, the very reports of the Treasury of our Nation clearly shows that the rapidly growing wealth of the Nation and the vast amount of gold now flowing into our country arises from our exports of Breadstuffs, our Pork and Beef, our Butter, Cheese and Lard, and our Live Stock to feed England and France, and this to an amount that counts in hundreds of millions annually.

It is indeed as the President says, "the basis of our prosperity," and surely then it is the duty of Congress to do all it can to foster and encourage this great interest with parental care; for it gives back to the Treasury *ten dollars for every dollar thus given* to the Agricultural Interests, let then the most liberal appropriations be made to this Cause, and our Country is the gainer.

INCRASE OF EARTH'S PRODUCTS.

How few persons ever reflect upon the wonderful and rapid increase of the food products and the astonishing results of a single seed in its increase of a few years.

WHAT A SINGLE BEAN CAN PRODUCE.

We give the history of a single *Bean*, a volunteer seed found in a garden in Southbridge, Mass., as is reported by an Eastern correspondent to the *New England Grocer*, the result of which was estimated in its product for three years.

The bean *grew in a rich soil* and when gathered in the autumn its yield was counted, and the result was 1,515 beans perfectly developed from a single stalk, the writer then bases his estimate as follows, if each bean produces 1,515 then the product of these the second year would be 2,295,225 beans, and equal to 1,195 pounds or 597 quarts or 18¾ bushels, equal to 2300 army rations, this would be the product of the second year.

Now, if we plant this product the third year and the yield is the same, we have a product of 447,265,875 beans, equal to 1,371,800 tons or of 42,871,572 bushels, and of 548,756,063 soldiers' rations.

This crop of the third planting would be sufficient to give the *Great Eastern* ninety-two full freights.

This is a good bean story, but few beans make as good a beginning as did this famed Massachusetts one, New England is famous for her *Beans*, it is the land of *Pork and Beans* and Indian pudding for a "Sunday Dinner."

WHAT A GRAIN OF WHEAT CAN DO.

We notice the estimation recently made by a mathematician of the produce from a *single grain of Wheat*.

The writer says if we but reckon that one grain of wheat produces 50 grains, and each of those will produce 50 more, then the second years' yield is 2,500 grains, the third 125,000 and continuing till the sixth year, the yield would be 15,625,000,000, and the twelfth year would give the incredible amount of 244,140,625,000,000,000,000.

The writer says the third years' crop would give 300 men *one meal each*, and a balance for the pigs, but the twelfth year would be enough wheat to supply all the inhabitants of the earth with food for a life time—this statement now circulating will give students a chance to figure up what a *grain of wheat can do*.

No SAFER REMEDY can be had for Coughs and Colds or any trouble of the throat, than "*Brown's Bronchial Troches.*" Imitations are offered for sale, many of which are injurious. The genuine Bronchial Troches are sold *only in boxes*.

RAILWAY SLEEPERS.

According to the various official reports, of the most recent date, the gross number of sleepers required for the railways of the world is set down at 250,000,000. Taking the life of a sleeper at an average of some eight years, and allowing for the large increase of mileage every year, it would appear that above 45,000,000 of sleepers must be the annual requirement—or, making a deduction of about 5,000,000 on account of many railroads being laid with cast and wrought iron sleepers, the yearly destruction now going on may, it is thought, be fairly calculated at 40,000,000. These contain, on an average, about two and one-half cubic feet of timber in each sleeper, or about 100,000,000 of cubic feet, and, even at the most moderate estimate of their value, an enormous sum is thus annually expended; and a vast industry represented, in this single item.

[We invite an earnest attention to the above facts touching the timber wanted for the Rail Roads of the United States, the demand for *sleepers* alone on our roads requiring 100,000,000 feet of timber annually.

So great is the demand and this continually increasing that cast and wrought iron sleepers are now used in large quantities, by reason of the increasing cost of timber and the scarcity of it.

With these facts in view we would urge all our land owners who have waste, rolling or hill land difficult to cultivate, to plant extensively the best varieties of the Eucalyptus trees, many of the new and choice kinds being as hard as iron and as durable, lasting in the ground or under water 20, 30 and 40 years as statistics we have fully prove.

The Central Pacific Rail Road with wise foresight have planted these trees for many miles along their roads, thickly, so that in a few years they can cut down the *alternate trees*, and these growing up from the roots again, the Company will have a perpetual supply, and by this plan save thousands annually, all Southern roads can do the same, and if our land owners are wise they can grow a supply of sleepers for all the Rail Roads of the United States.—ED. F.]

NEW YORK HOP MARKET.

The Ernest Wells' Hop Circular, a standard authority gives us reliable data from the East and from Europe as follows:

Referring to last Circular we have to say, inactivity is still the ruling feature. There is a marked falling off in receipts, and Exporters have taken only 894 bales against 1692 last week. But, a more important feature, is the arrival here of an invoice of German Hops, which, though perhaps not of sufficient quantity to influence the market unfavorably is looked upon by many as a forerunner of what may possibly follow in the shape of important arrivals. The duty of 8 cents per lb. on Foreign Hops will, it is believed, be no particular barrier against importations, as it is but a small advance on the present high prices of Americans that brewers will not count. Our extreme quotations this week are nominal, and the general market shows considerably less firmness than last week.

Messrs. Woolleton & Son, England, report that the supply of ordinary new English Hops, is in excess of the demand on account of the general quality being so inferior, and because the wants of brewers are mainly restricted to the best goldings, of which this season's crop proves to be so miserably deficient. The sound healthy Weald of Kents and Sussex sell readily at a slight improvement on the recent reduced prices. The best Americans are in many cases preferred to all other new Hops, and even before genuine best Bavarians for which, as well as for most European produce, the Market is dull and cheaper. The imports for the past month, according to the Customs lists were 28,462 bales, being 26,066 bales more than in October, 1878. Yearlings of fine quality and well kept old olds meet with moderate sale at about late prices.

[It should be noticed here that American Hops are more highly valued in Europe than even the far famed "Bavarian Hops" which have always carried the palm—let our hop growers look to this fact and continue to excel.—ED. F.]

WHOLESALE CASH PRICE CURRENT FOR HOPS IN N. Y.

	Cents per pound.		
New York, new crop	45	to	47
Eastern, new crop	35	to	38
Wisconsin, new crop	35	to	45
Yearlings, growth 1878	7	to	18
Olds, all growths	6	to	10
Pacific Coast Hops, growth 1878, nominal	9	to	14

The Wool Production of Russia.

Russia has the largest stock of sheep of any nation in Europe. In 1871 the number of ordinary native sheep was 34,443,000, a decrease of about 760,000 upon the stock of 1861. Keeping and breeding fine woolled merinos has been carried on for some time in the Baltic and Central Governments, and the practice is gradually extending southwards. In 1851 there were but 7,979,000 merino sheep in all the Russian departments together; ten years later the number had risen to 10,093,000, representing an increase of 2,119,000 head, or over 21 per cent. within the decade. Assuming that each native sheep yields 3 lbs. and each merino 1¼ lb. of washed wool a year, the clip for the whole empire would be about 2,583,000 poods—together 3,024,787 poods, equal to 30,294,000 lb. avoirdupois. The falling off in production is attributable to two causes, the first being the gradual conversion of pasture into arable land, and second the decline in prices consequent on Australian and South American competition. In 1877 Russia exported wools to the value of 22,374,598 roubles, but a considerable portion of this sum is re-expended in the purchase of finished woollen fabrics, which are imported to the value of about 12,274,700 roubles a year.

List of Australian Duties.

Our Merchants and Shippers of Goods to Australia who desire to know the rates of duties to the several Colonies, can find a "List of Duties" of each district at the Office and Reading Room of the CALIFORNIA FARMER, 320 Clay Street, San Francisco.

THE

NEW ZEALAND INSURANCE CO.

FIRE AND MARINE,

Organized 1859.

Capital, $5,000,000.

With Unlimited Liability of Stockholders.

Capital	$5,000,000
Capital—paid up	1,000,000
Assets	1,965,655
Re-Insurance Reserve	845,639
All Other Liabilities	189,675
Surplus for Policy-holders	1,450,941
Premiums received to May 31, 1878	7,495,177
Losses Paid to Date	4,599,502
U. S. Bonds deposited in Oregon	50,000

UNDERWRITE, THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandise, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

HEAD OFFICE:

NEW ZEALAND INSURANCE COMPANY,
Auckland, N. Z.

HUGH CRAIG, - - - - - Manager,
OFFICE, 307 CALIFORNIA STREET,
San Francisco.

OREGON BRANCH:
No. 7 FIRST STREET, PORTLAND,
W. F. BROWN - - - - Manager.
47.12

HUNTINGTON, HOPKINS & CO.

IMPORTERS OF

Hardware, Iron, Steel, Coal, Powder, Fuse,

Belting, Hose, Rope, Etc.,

Milling, Mining, Building Material

—AND—

RAILWAY SUPPLIES.

Cor. Market and Bush Streets,
SAN FRANCISCO.

No. 52, 54, 56, 58 K Street,
SACRAMENTO.

N. ASHTON & SON'S

Liverpool Fine Salt.

IN UNIVERSAL USE THROUGHOUT THE EASTERN and Western States, and acknowledged far superior to any other brand of factory-filled salt.

Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March:

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory-filled salt; therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $15; for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams; and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"

For sale by
WILLIAMS, BLANCHARD & CO.,
218 CALIFORNIA STREET,
48 10 Sole Agents for Pacific Coast.

J. M. NEVILLE. O. H. BRYANT.

NEVILLE & CO.,

Bag, Tent and Hose Factory

33 CALIFORNIA STREET,

South-East Corner of Davis Street,

San Francisco,

(Removed from their old place, 113 Clay Street, to their new and enlarged accommodations.)

IMPORTERS, MANUFACTURERS, AND DEALERS IN ALL KINDS OF

Bags, Burlaps, Duck,

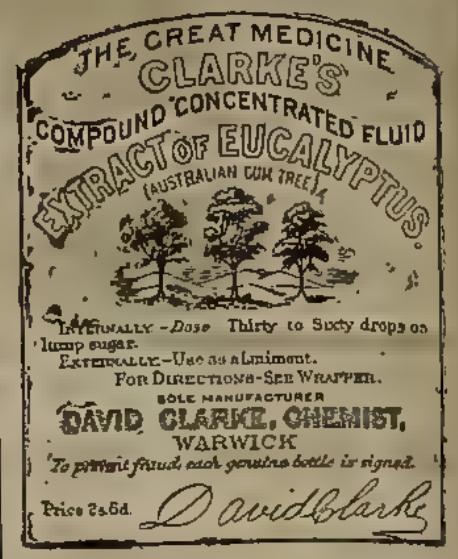
Canvas and Cottons.

DAIRY BREEDING CALENDAR

We invite Dairymen who desire a valuable "Dairy Breeding Calendar," containing very excellent items of great value to them, to call and examine the article named above—it is of but little expense, yet of great value.

CALIFORNIA FARMER OFFICE.

The Great Medicine!!



We have appointed for the sale of this Medicine advertised in our columns the following

AGENTS:

A. M. COLE,
APOTHECARY AND DRUGGIST,
GEN'L AGENT FOR STATE OF NEVADA.

H. BOWMAN,
APOTHECARY AND DRUGGIST,
AGENT FOR OAKLAND.

RHODES & CO.,
APOTHECARY AND DRUGGISTS,
AGENT FOR SAN JOSE.

M. J. DOLYE & CO.,
POST OFFICE,
AGENTS FOR MENLO PARK.

J. W. JONES,
DRUGGIST,
AGENT FOR BENECIA.

HODGE, DAVIS & CO.,
DRUGGISTS,
AGENTS FOR PORTLAND, OREGON.

DR. D. L. MORSE,
DRUGGIST,
SAN MATEO.

DR. L. H. CUTLER,
DRUGGIST
LIVERMORE.

JOHN WOLFE,
DRUGGIST,
AGENT FOR SAN RAFAEL.

GODBE, PITTS & CO.,
DRUGGISTS,
SALT LAKE CITY, UTAH.

J. WIDNEY,
MERCHANT,
SANTA CLARA.

The Remarkable Cures which have been effected by the Wonderful Remedials, known as CLARKE'S EUCALYPTUS REMEDIES from Australia, have, and are exciting a great influence among all those who have long been sufferers by those terrible sources of suffering, RHEUMATISM, NEURALGIA, DYSPEPSIA, and FEVER AND AGUE.

These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.

Be sure you ask your Apothecary for the true Medicine, DAVID CLARKE'S EUCALYPTUS PREPARATION The only Genuine article.

WARREN & CO.,
SOLE AGENTS FOR THE UNITED STATES.

NEW TOOTH POWDER!

The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath,

DAVID CLARKE'S
Eucalyptus Tooth Powder,

The BEST EVER COMPOUNDED and destined to supersede all others.

WARREN & CO., SOLE AGENTS,
320 CLAY STREET, S. F.

TRADE MARK.

LITTLE'S CHEMICAL SHEEP DIP

THIS NEW NON-POISONOUS SHEEP DIP, PRICE $2.00 per gallon. For directions and testimonials Apply at

FALKNER, BELL & CO.,
WOOL AGENTS,
430 California Street. 6x15

BOOKS FOR FARMERS!

BOOKS FOR FARMERS' LIBRARIES

AGRICULTURE,
HORTICULTURE,
FLORICULTURE,
STOCK RAISING,
BEE RAISING,
POULTRY GROWING.

We invite our farmers to call at our Reading Rooms and look over the new and valuable books suitable for their own interest and advancement. In addition to such as we have FOR SALE, we always have many for FREE DISTRIBUTION that our subscribers can have.

With many valuable and interesting works on all branch of each of these important Industries.

For sale at lowest rates at
FARMER OFFICE,
320 CLAY STREET.

50 FINE MIXED CARDS, with name, 10c. Agents wanted. Outfits 10c. Mention this paper, and address, JOHN J. MAGINNIS, Sandwich, Ill. 49x5

Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

TO A WATER-LILY AT EVENING.

BY F. W. BOURDILLON.

Sleep, lily on the lake,
Without one troubled dream
Thy hushed repose to break,
Until the morning beam
Shall open thy glad heart again,
To live its life apart from pain!

So still is thy repose,
So pure they petals seem,
As heaven would here disclose
Its peace, and we might deem
A soul in each white lily lay,
Passionless, from the lands of day.

Yet but a flower thou art,
For angel, ne'er, nor saint,
Though kept on earth apart
From every earthly taint,
A life so passionless could know.
Amid a world of human woe.

WINE IN FRANCE.

The culture of the vine in France occupies an area of 2,296,899 hectares, according to the statistical returns of 1878, and the average production of the last five years was 58,750,750 hectolitres as may be seen by the following figures:—

1874	63 140,127	hectolitres.
1875	83,032,301	"
1876	41,846,748	"
1877	66 405,303	"
1878	47,720,553	"

The average production and consumption between the years 1864 and 1873 are thus given.—

	hectolitres.
Production	50,400,000
Importation	400,000
Total	50,800 000
Export	2,600,000
Vinegar	300,000
Distillation	5,400,000
Quantities charged with Duty	25,400,000
Consumption free by the producers	10,500,000
Leakage, Fraud, Loss	6,600,000
Total	50,800,000

The wines of Bordeaux, Burgundy, and Champagne are those most esteemed, after which come Macon, Beaujolais, and Lower Burgundy.

Besides these regions, which produce regularly classed wines, there are others which have a deserved reputations, as Dordogne, Jura, Aube, Maine-et-Loire, Indre-et-Loire, Charentes, Haute, Garonne, Basse, Pyrenees, Drome, Vaucluse, Gard, Herault, Aude, and Pyremes Orientales, etc.

[We present the above important Wine statistics from abroad for the benefit of our wine makers, the sad destruction of the vineyards of France of late years by the *Phylloxera* looks serious for coming years, the difference in production from the years of 1875 to 1878 is more than 35,000,000 hectolitres, and fears are entertained by many vinegrowers that the fate of the vineyards of France is sealed, unless there can be a remedy found for the fearful pest.—ED. F.]

Tulip Cultivation in Holland.

The Dutch official trade returns show that the exports of flower bulbs during the sixteen years from 1861 to the end of 1876 amounted in value to 19,640,000 Dutch florins (about $8,000,000), or an annual average of over $500,000. It appears that the value has been annually rising; thus the export for 1876 is set down at 1,666,000 florins (nearly $700,000). According to the latest survey the land devoted to rearing bulbs of Tulips, Hyacinths, and similar flowers amounts to 240 hectares, or nearly 600 acres. Of these about 10 acres are in the neighborhood of Egmont, about 90 round Velsen, while the remaining 500 acres are in the neighborhood of Haarlem, Schoten, Bloemengeld, and Heemstede. But besides these special localities, where the cultivation of the bulbs is carried out on a large scale, there are innumerable small patches scattered all over the country where Tulip and Hyacinth bulbs are reared with great care and success.—*Vick's Magazine.*

The Phylloxera Pest in France.

The sad havoc being made by this fearful grape vine pest is exciting great alarm in France and in fact in all Europe, as all Europe look to the Vineyards of France for their chief supply of Wines, and although wines are made in other parts of Europe, France is the great Head Centre for the wines so famous the world over, but now vineyard after vineyard is being destroyed, until they count in thousands of acres and millions in value, vast amounts of money have been expended in experiments to check this ruthless destroyer, but as yet no stay of the plague, while a vast sum is offered as a premium to the fortunate man who shall be the discoveror of a remedy.

Whoever will study out a remedy for the Phylloxera Pest may be sure of being more *than a millionaire.*

ALEXANDER PEACH.—Mr. Rivers, the great English fruit-grower, has found the American Alexander Peach to be not only the earliest, but large and fine in every respect. He is afraid that the refrigerating process on board of steamers may be the means of inundating the English market with American Peaches, and, therefore, the English farmer to compete against trans-atlantic orchards must select sorts that will ripen before the American harvest begins.—*Vick's Magazine.*

No matter how bad and destructive a boy may be, he never becomes so degraded or loses his self-respect sufficiently to throw mud on a circus poster.

FOREIGN FRUIT TRADE OF NEW YORK.

According to the annual report of the inspector of customs the value of the green fruit imported at New York, during 1878, was as follows:—

Varieties of Fruit.	Per centum duty.	Value. Dollars.	Amount of duty. Dollars.
Oranges and lemons	20	2,802,900	550,583.20
Grapes	20	232,604	46,400.50
Pinapples	20	87,666	17,533.20
Bananas	10	395,619	39,561 90
Limes	10	3504	350.40
Grape, fruit, shaddocks, mangoes, plantains, watermelons, cantalope melons, and a few other varieties of green fruit not named	10	15,711	1,567,60
Cocoanuts	Free	197,520	
Total, 1878		$3,735,050	$968,010,60
Total, 1877		3,148,902	564,140.30
Increase of value and duty for 1878		$586,058	$101,870.30

There was a large increase in the quantity of fruit imported from the West Indies, except in the case of oranges and pinecapples. The falling-off in pinecapples is supposed to be due to the establishment of large canning factories in the West Indies. An extraordinary increase, amounting to two and a quarter millions, occurred in the importation of cocoa nuts. Of Mediterranean fruit, the importations in 1878 were slightly in excess of those of the preceding year. Of grapes, the number of packages was largely in excess of those of any previous year, namely, 45,000 barrels and 12,000 half-barrels. The pomegranates numbered 200 cases. The Mediterranean oranges and lemons numbered 1,254,802 boxes and cases. The average loss on oranges was 36 per centum, and on lemons 20 per centum. From the West Indies, 12,942,675 oranges were imported, with an average loss of 45 per cent. Of bananas there were 560,837 bunches imported—an increase of 167,916 bunches over 1877. Twenty-three per cent. of the 2,704,773 pineapples perished on the voyage. Nearly 10,000,000 cocoanuts were imported, with an average loss of 9 per cent.

[Here are very important facts for our *Fruit growers* to consider and seriously too, California can have ORANGE AND LEMON ORCHARDS as well as they can have Apple orchards, and grow Oranges and Lemons to supply all the Eastern States, thousands and millions of these fruits can be grown here and sent over our Rail Road at less cost and decay than they can be imported from the Mediterranean, and instead of a voyage of many months we can send to our sister States this delicious fruit fresh from the trees in from 8 to 14 days, bearing all the freshness and fragrance of new fruit, instead of the decaying flavor of foreign fruit.—ED. F.]

LONDON AGRICULTURAL SEED TRADE

From Messrs. John Shaw & Sons the well known Seed Merchants, of London, we have the following:—

Firmness in value and activity in demand now strikingly characterise the trade for field seeds. In Red Cloverseed especially there is a good business doing at full rates; holders in France continue to raise their demand, whilst the arrivals from America are still exceedingly light. In the absence of any new English Clover, considerable attention is being given to yearling samples, and a substantial advance in the value of these must be noted.

White Clover is steady at late rates: in Hamburg this article has recently been very active. Alsikes now meet with more favor; there is also more inquiry for fine Trefoil. Grass seeds are without quotable variation.

The trade for Blue Peas is firm. For the Haricot Beans there is a brisk sale; prices range from 68s to 72s. per qr. Lentils have become scarce; and holders in the Provinces can now obtain on Mark Lane considerably enhanced rates.

The Canary seed trade keeps slow; the supply for the moment exceeding the demand; some heavy shipping orders are, however, rapidly diminishing the stocks here, and holders confidently anticipate a speedy revival both in value and demand. Of new French Millet there is a moderate supply offering at about 57s per qr.

A large quantity of damp new home-grown Mustard remains undisposed of; fine dry foreign seed being taken in preference, current rates for same being very moderate.

Directions for Planting Tree Seeds.

All nut and hard shell seeds should be soaked in warm water, milk and water is better, and hot too, if convenient, soaked until the rind is softened, then placed in the earth as follows.

All seed of choice nut trees, or of ornamental and shade trees do better if planted in good sized boxes, and when 6, 10 or 12 inches high to be transplanted where they are to grow.

THE SOIL AND PREPARATION.

Take of good rich loam (virgin soil) one-third, one-third sand, one-third very old decomposed manure, mix them thoroughly, then prepare boxes with holes in the bottom for drainage, fill these boxes two-thirds full of this compost, and plant the seeds, each in separate boxes, and in thickness according to the size of the seed, then sift over them good sand and loam only, about ¼ to 2 inches, and over this cover about an inch of sawdust, then sprinkle with a fine syringe or water pot, the sawdust keeps the surface from baking. Keep the boxes in a light and cool place, free from the sun (which drys the surface) till the seeds are up and show 2 or 3 leaves, then bring gradually into the sun and air.

DR. FOOTE'S HEALTH MONTHLY has been published three years and has established a reputation as a health journal. Thousands of papers quote and their readers appreciate its articles. And yet the HEALTH MONTHLY with its sixteen royal octavo pages is offered at only FIFTY CENTS per year. Send for sample copy. It will be mailed free. DR. E. B. FOOTE, author of Medical Common Sense, etc., is its Senior Editor, assisted by DR. E. B. FOOTE, JR., who is also in practice with his father. All the readers of Dr. Foote's publications can consult the Doctor free upon any subject relating to health or disease. A cheap popular edition of Plain Home Talk embracing Medical Common Sense is sent by mail, postage prepaid, for $1.50. You better enclose a $2.00 postal order for both the book and the HEALTH MONTHLY. Address MURRAY HILL PUBLISHING COMPANY, 129 East 28th Street, New York City.

B. GRAVE & CO.,

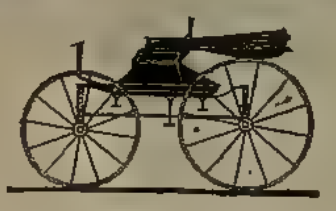
CARRIAGE MANUFACTORY.

The only Builders of the

OPPENHEIM DOUBLE BUGGY,

—AND—

ROCKAWAY COMBINED.



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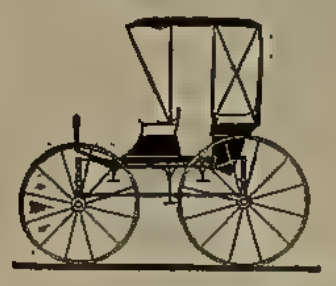


DOUBLE.

421 and 423 PACIFIC STREET,

SAN FRANCISCO.

49 11

A NEW STRAWBERRY.

SHARPLESS, THE LARGEST, BEST FLAVORED and most productive berry ever produced. Berry raised with ordinary culture from plant, set in September, 12½ inches in circumference; weight, 2½ ounces; and on the same stem four others from the size of a hickory nut to that of a walnut. See sworn statement and recommendations in my circular. Free to all, sending their name and address on postal card.

J. L. DILLON
BLOOMSBURG, PA.

49:7

N. B.—Catalogues and Plants at FARMER OFFICE.

NEW VALUABLE SEED.

SEED OF THAT IMPORTANT TREE KNOWN AS THE famed BLACK WATTLE TREE, from which is gathered bark for Tanners' use in Australia, can be grown in California with great profit. More than fifteen thousand tons per year of the bark of this tree is gathered and used in the Australia colonies with great profit. Our farmers should look to this tree and have it grown in California for FARMERS use, and thus encourage HOME INDUSTRY. Fresh seed just received and for sale at FARMER OFFICE, 320 Clay Street San Francisco.

BEST FRUIT DRYER.

The Best, Cheapest, and Easiest working Fruit Dryer yet invented is the

GRANGER'S

FAMILY

Fruit and Vegetable

EVAPORATOR.

APPLES DRIED IN TWO HOURS.

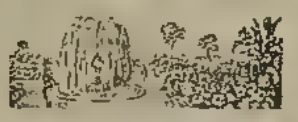
Needs no extra fires, as it can be used upon a Cooking Range while in use for other purposes. Dries perfectly and rapidly Apples, Pears, Peaches, Plums, Cherries, Currants, Grapes, Berries, Corn, Peas, Beans, Pumpkin, Squash, and all kinds of Herbs. Makes beautiful Jellies, Jams and Syrups. No family should be without one.

THREE SIZES---PRICES LOW.

WARREN & CO.,

AGENTS FOR THE PACIFIC COAST,

320 Clay Street, San Francisco.



GARDEN GROUNDS LAID OUT.

THOSE WHO WISH THEIR GARDEN GROUNDS RENEWED and replanted, or those who desire to have grounds designed and laid out upon scientific principles, and with correct taste and skill, as

ADAPTED TO THIS CLIMATE,

Can have this work done to their satisfaction by calling at this office, where all the best works on gardening can be found, and where the various styles, both European and American can be seen. Grounds of any extent, from

ONE THOUSAND ACRES

To small gardens in our city, will be designed and laid out, and the Trees, Plants, Shrubs, Vines and Bulbs all supplied of the very best variety and reliable quality, and the work done to complete satisfaction.

WARREN & CO.,

320 Clay Street, - - - San Francisco.

PLANTS GROWN

for transplanting, and Fruit for the market.
100 Acres planted with Berries 100
Varieties of Selected Fruits
See New Catalogue for what sorts to plant. Sent free.
JOHN S. COLLINS, Moorestown, N. Jersey.

49:17 1m

MILK, WINE, CIDER

All kept sweet indefinitely by arresting fermentation. Water—the muddiest—made pure and clear as crystal. Enough for ten barrels sent on receipt of "One Dollar." Agents wanted. Address ELSOM'S LABRATORY
Forestville, Chautauqua County, N. Y. 49:15

POSTPAID PAPERS.

All Copies of the FARMER sent from this Office are POST PAID, by us, consequently, all who *receive our Paper are relieved from all Postage* at the Office where they are received.

J. M. THORBURN & CO.,

15 JOHN ST.

NEW YORK.

Growers and

Importers of

GARDEN,

FLOWER,

GRASS,

— AND —

TREE SEEDS.

SOLICIT Orders for the above from the TRADE, also, *GLADIOLUS* and all other *BULBOUS ROOTS.*

44:35 Price Lists on Application.

VICK'S ILLUSTRATED MONTHLY MAGAZINE

Each Number contains THIRTY-TWO PAGES of reading, many fine Wood Cut Illustrations, and one COLORED PLATE. A beautiful Garden Magazine, printed on elegant paper, and full of information. In English and German. Price, $1.25 a year; Five copies $5.00.

Vick's Flower and Vegetable Garden, 50 cents in paper covers; in elegant cloth covers $1.00.

Vick's Catalogue,—300 Illustrations, only 2 cents.

Address, JAMES VICK, Rochester, N. Y.

FARMS, RANCHES

—AND—

LANDED ESTATES FOR SALE.

Now that we have so many settlers of the NEVER-SET coming to our State, those who have

Lands, Ranches, Farms,

—AND—

IMPROVED HOMESTEADS

Should make them known extensively, and in no way can they do it more effectually than by

Advertising in the Farmer.

WE ARE NOW SENDING TO THOUSANDS OF readers in the other States, as well as at home, and Advertisements appearing in OUR JOURNAL will be read in all the principal Merchant Exchanges in the Eastern States and Europe, as well as the best private Reading Rooms and Libraries in the United States.

Advertisers will be wise that consult our columns.

WARREN & CO.,

CALIFORNIA FARMER OFFICE.

FREE GIFT! A copy of my Medical Common Sense Book will be sent to any person afflicted with Consumption, Bronchitis, Asthma, Sore Throat, or Nasal Catarrh. It is elegantly printed and illustrated. 144 pages, 12mo, 1878. It has been the means in the providence of God of saving many valuable lives. Send name and post-office address, with six cents postage for mailing. The book is invaluable to persons suffering with any disease of the Nose, Throat or Lungs. Address Dr. N. B. WOLFE, CINCINNATI, O.

49:18

EGG FOOD FOR POULTRY.

EGG FOOD IS INVALUABLE FOR ALL kinds of poultry, make your Hens lay, keeps them in splendid condition, prevents and cures the common ailments. The high reputation of this article among Poultrymen, Fanciers and Farmers in the Eastern States has proved that it is the only and best article to keep your Poultry healthy and make them lay. Call and examine or send for Circulars to WARREN & CO. 320 Clay Street.

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear

We have numbers of advertisements sent us from strangers saying, *"Please Insert and Send Bill,"* this we cannot do without Cash, or a special understanding before hand.

WARREN & CO.

Strawberry Plants for Sale

TWENTY VARIETIES.

The Rarest and Best.

PRODUCING BERRIES THIS SEASON from the size of a Walnut to that of a Hen's egg.

The varieties offered are new and choice and immediately productive.

Directions for their culture given to all purchasers. For sale at

Farmer Office.

AUZERAIS HOUSE,

SANTA CLARA STREET,

SAN JOSE.

S. W. CHURCHILL, Proprietor.

Auzerais House Coach and Carriages always in Attendance on arrival of trains.

NURSERYMEN AND FLORISTS ABROAD.

Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurserymen, especially, who have NEW and RARE kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our JOURNAL circulates there to a large extent.

This is the season when Nurserymen should make known what they have for sale.

Warren & Co.,

PROPRIETORS CALIFORNIA FARMER.

PUTNAM'S

HANDY-BOOK

SERIES.

What to Eat. A Manual for the Housekeeper: giving a Bill of Fare for every day in the year. 134 pp., cloth..... 75 cts.

Till the Doctor Comes, and How to Help Him By George H. Hope, M. D. Revised, with Additions, by a New York Physician. A popular guide in all cases of accident and sudden illness, 12mo, 92 pp., cloth..... 75 cts.

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The Student's Own Speaker. By PAUL REEVES. A Manual of Oratory, comprising New Selections, Patriotic, Pathetic Grave and Humorous, for home use and for schools 12mo, 215 pp., cloth..... 90 cts.

How to Educate Yourself. A Complete Guide for Students, showing how to study, what to study, and how and what to read. It is in short, a "Pocket Schoolmaster." By GEO. CARY EGGLESTON. 12mo, 151 pp., boards..... 50 cts.

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Hints on Dress. By an AMERICAN WOMAN. Outline History of Dress. Things Indispensable. Estimates of Cost. Economy and Taste. What we Mean by Dressing well. Color, Form and Suitability. How and what to Buy. 12mo, 124 pp., cloth..... 75 cts.

The Home: Where it Should Be; and What to Put in It. Containing Hints for the Selection of a Home, its Furniture and Internal arrangements, with carefully prepared price-lists of nearly everything needed by a housekeeper, and numerous valuable suggestions for saving money and gaining comfort. By FRANK R. STOCKTON, (of *Scribner's Monthly*). 12mo, 182 pp., cloth..... $1 00.

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Manual of Thermometry. For Mothers, Nurses, Hospitals, etc., and all who have charge of the sick and of the young. By EDWARD SEGUIN, M. D. 12mo, cloth..... 75 cts.

Infant Diet. By A. JACOBI, M. D., Clinical Professor of Diseases of Children, College of Physicians and Surgeons, New York. Revised, enlarged and adapted to popular use by MARY PUTNAM JACOBI, M. D. 12mo, boards..... 50 cts.

How to Make a Living. By GEO. CARY EGGLESTON, author of "How to Educate Yourself." 12mo, cloth..... 75 cts.

Manual of Nursing. Prepared under the Instructions of the New York Training School for Nurses. By VICTORIA WHITE, M. D., and revised by MARY PUTNAM JACOBI, M. D.. 75 cts.

All these valuable books can be had at the FARMER OFFICE, and will be mailed by us Post Free on the receipt of the price named above.

WARREN & CO.

49:11

BOOK

—AND—

JOB PRINTING.

POSTERS, CARDS,

—AND—

CIRCULARS,

PROMPT, CHEAP AND GOOD

AT THE LARGEST PRINTING HOUSE

On the Pacific Coast.

COMMERCIAL

STEAM MAMMOTH

PRINTING HOUSE.

FRANCIS, VALENTINE & CO.,

517 CLAY STREET.

TO INVENTORS AND MECHANICS.

Patents and how to obtain them. Pamphlet of pages free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 31,
Washington, D. C.

48:19 tf

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, DEC. 18, 1879.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marble Building—Up Stairs.

FARMERS HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office are always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms. Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for one insertion, fifteen cents a line for any larger space. Each subsequent insertion ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

Editor's Chair.

THE CALIFORNIA FARMER.

NEW SUBSCRIBERS.

We invite the attention of all who desire to favor us with their names as New Subscribers for the coming year to THE CALIFORNIA FARMER for

1880,

IS FOUR DOLLARS.

We will add as bonus the beautiful illustrated

VICK'S MONTHLY MAGAZINE,

AND FURNISH BOTH FOR

FIVE DOLLARS.

OUR SPECIAL NUMBER.

We send *this number* to many persons who are not Subscribers, but we hope after they shall examine our Journal that has labored for the best Interests of our State for 25 years, they will send in their names and subscriptions to this Pioneer Journal of Agriculture.

Home.—We give a chapter of the "Wrongs Against Girls," which should be read by all parents. "Lincoln's Tenderness" is a noble tribute to his memory. Our poetry column offers "Grandfather's Thanksgiving," that will touch many hearts. "People will talk" is a sharp hit at *Mrs. Grundy*. "Loved at Last" and selections should be read. "Winter Fashions" will interest our lady readers.

Horticulture.—The "Water Lily" has a voice that speaks. "The Wine of France" is a very important article for our wine growers. "Foreign Fruit Trade of New York" should have the special attention of our orchardists. Here their interests lay. The other article on this page touching horticulture should be read.

Miscellany.—Our usual items are on page 154 of a miscellaneous character.

Agriculture.—"The President's Message," a selection giving his views of the value of this great interest. "Capital Counsel for Producers." "Agricultural Notes," "Increase of Earth's Products," "Railway Sleepers," "New York Hop Market" and "Wool Production of Russia" are all matters our farmers should study. Read the "Red Ear of Corn."

We ask attention to the Letter from the President of the New Zealand Ag. Society in relation to the Wood's Mowers and Reapers now selling there, this query of our Correspondent is a very important one to the farmers there, and the complaint made should be remedied.

Omarn Stone.

There has a new invention and a new enterprise started up in New Zealand, called the Oarnarn Stone Company, which offers a new and desirable "building stone" of remarkable qualities.

We have received a pamphlet giving all particulars of this new material from H. Craig, Esq., of the New Zealand Insurance Company at 307 California street, who can give valuable information touching this new building material. A fortune may be made with it if it is rightly handled.

THE SEASON, CROPS AND PROSPECT.

If there ever was a people that had many blessings and appreciated them not, we believe it is the people of California, for if ever a people had a glorious climate and a rich and fertile soil, and all the benefits these could produce, it is the people of California, and yet these bounties of nature are not appreciated as they should be, for with all that should make a people contented, rich and happy, the whole community seem to be in a whirlpool of politics and in speculations that absorb their time and attention, consuming their strength, leaving them but little time for social, intellectual or moral advancement—it is one continued round of excitement like the famed Maelstrom on the coast of Norway.

Our season for farming has opened gloriously. Ample rains began early, and have continued up to the present time, with every prospect of an abundance, so that we shall have a good old '49 wet season. The large amount of "summer fallowed" land that was prepared this year has mostly been planted, and we believe that there will be 30 to 40 per cent. more grain sowed this year for 1880 than was sown in '70, and in the system of farming now adopted, if cultivators have grown wiser and cultivate better, use better seed, plant early, and thus secure the benefits of the early rains to give to their grain the early, quick, strong growth that secures heavy grain, they have learned valuable wisdom.

The systems of "Summer Fallow," "Blue Stoning Wheat," of "Dry Plowing" and early planting, systems that we urged fifteen years and more ago, are now being put into practical use and thus we are having better crops of better grain, and a better reward for the farmer.

The entire crop of our grain for export will now reach before the season is over 600,000 tons, and this will place California as the largest exporter of grain of any one State in the Union.

Never was there a better, a more cheering prospect opened up to the farmers of any part of God's fair earth than is now opening up to the "Farmers of California," and if they will wisely improve the present opportunity and avoid all the errors of the past of a speculating nature, and make their profession their heart work, *all will be well.*

While other portions of our country are having a booming time with a lively trade, California is quietly "pressing on" in the work of the new year near at hand. The harvest of '79 is over and the planting season of 1880 is with us again.

The vintage of '79 is over and a large and prosperous year has closed, and work is now going forward of planting *new vineyards*, for it is believed that the old vineyards of Europe will ere long pass away and California become the "Vineyard of the world." Orchard work is rapidly progressing; orchards are being pruned and new ones planted having a reference to growing *fruit for export.* Fruit has paid well this year.

The flocks and herds have proved profitable to a large extent, the "clip of wool" has been large and the price realized also large. The hop yards of our State have paid the growers well, and new ground will be planted, and thus all the great productions of our State have had a prosperous year, and yet we fear our people are not as well satisfied or as thankful as they should be for these blessings.

AUSTRALIA AND CALIFORNIA.

We are truly glad to know that there has been a great and an increasing interest felt by our merchants and business men, our manufacturers and produce raisers, for to each of these great interests a New Market has been opened and a large trade already been transacted.

This coast is now sending to Australia by every steamer and by sailing vessels, a large variety of goods, Agricultural Implements, Grain, Hops, Salmon, Dried and Preserved Fruits, Fresh Fruits and a large amount of merchandise and a large quantity of our Lumber also.

The Great Sydney Exhibition, now in its glory, will have a good representation of California men and material, and we think it will do us credit and excite a still greater interest for California business. The present exhibits at Sydney will lead to a greater and more selected display at the Melbourne Fair next season, and from which exhibits we have faith to believe that the United States will rank as high as any other nation, and California will occupy a much higher place than at the present Exposition, for we regret to say our people have not shown that wisdom they should have done for so good an opportunity to advance their own interests.

We have a valuable report on orange culture and the exhibit at the Exposition, and shall soon have full details of the Sydney Fair from our reporter there.

BENEFITS FROM THE EUCALYPTUS.

Beware of spurious and injurious preparation of Eucalyptus, which are being made and sold in many places.

By reason of the great success of David Clarke's Preparation of the Eucalyptus, many persons have been sending out Remedies under the name of Eucalyptus Cures, and boasting of the *pure globulus* specific.

The true and genuine Remedies both in Liquid and Pills, and also in the Rheumatic Oils are prepared from a *combination* of many of the best species of the Eucalyptus.

The *globules* alone however good *that variety* may be, cannot and does not make the Great Remedials, as prepared by David Clarke, the Chemist of Warwick, who by many years of study and labor in combining the different varieties of the greatest Virtue, has secured the best preparation known, the world over.

It is important that all who suffer should use the true preparations, and David Clarke's is the best and only reliable preparation, as can be proved by hundreds of Testimonials in this City.

The *Farmer* says that Indiana is now rejoicing over the largest wheat crop ever secured in the State.

SHIPMENTS OF FRUIT EAST.

Much has been said and written about the large amount of Fruits shipped along the Rail Road line and to the Eastern States.

A few years since there were a number of large shippers, now only a few, Messrs. Porter Bros. of Chicago purchase entire orchards here and ship to their house in Chicago, sending on a very large amount of fruit annually.

The largest shipper however, of Fruit from this State is Messrs. M. T. Brewer & Co., Fruit Merchants of Sacramento, this house has become justly celebrated all over our State, and in the large cities at the East, as the most extensive shippers of fruit on this Coast.

This firm are also large shippers of our choicest vegetables, particularly our early crop before the Eastern markets have the rarities of our early season, in asparagus, etc.

To give some idea of what this one firm has done this year we can state that they have sent over the Rail Road 150 *full car loads* of fruit and vegetables, equal to 1,500 tons, this chiefly to Wyoming, Colorado and Nebraska, although 45 car loads more have been sent East of Omaha, all these were full car-loads.

This firm have in addition to this, shipped about 400 tons, equal to 40 car loads more in small lots, parts of cars, this was to their trade to Nevada and California ports on the Rail Road.

Here then we have more than 2,000 tons of our choicest fruits and vegetables sent abroad by this one house, surely such a firm can well be called the friend and helper of our producers, for were it not for their great energy and business skill to find good markets abroad, our producers would have much of their stock on hand and unsaleable.

M. T. Brewer, Esq., the senior of the firm is now at the East on business and laying out his work for another year.

Success say we to such enterprises and we hope this firm will be well rewarded for their great energy and business skill.

HOPS ARE BOOMING.

There has been a far better and a more legitimate chance for speculation in Hops within a few months past than in almost any other article of produce on our Coast, the market value having more than doubled from 15 to 17 and 33 to 40, with a steady rise, up to November, since then the price has still further advanced and quoted considerably above 40c.

Phil Neis, Esq., the well known and principal Hop merchant of our City who is well advised in relation to the markets of Europe and at the East, and who now controls a large amount of the *best hops in this market* gives us the following data:

The estimated crop of the United States is a little short of one hundred thousand bales, the California crop will be from 8 to 10,000 bales.

There has already been exported from New York this year to Europe 35,000 bales, from Sept. 1st to Nov. 10.

The same time last year only 2525 bales.

There has been shipped from California this year to England direct, about 2,000 bales, and about 6,000 to New York, which leaves a very small stock on hand in this market.

There is only some 350 to 500 bales on hand in this City.

Russian River district, none.

Sacramento district, 60 bales.

Napa county district, 150.

The stock is so small it would not surprise us to see Hops *hop up* to 50 or 60cts.

The famed *Willow Grove Hops* at San Jose are considered the *best hops* raised in the United States and always command the highest price in every market in our country and in Europe also.

Mr. Neis very fortunately has now the possession of Willow Grove Hop fields of 40 acres, the estimated crop is 240 bales annually, Mr. Jacobs a very experienced hop grower and curer is superintendent of the noted "Willow Grove" success say we to Mr. Neis in this enterprise, it will be a (Neis) nice speculation.

WHAT MAKES GREAT CITIES.

What has made New York and Boston, what is making Chicago and St. Louis? Enterprise! Enterprise! the great enterprise of her merchants and her capitalists that combine to make business and draw it to their great centres, it is their enterprise that always makes them *live Cities.* Where is San Francisco, compare her growth and progress the last three years with other cities and she is far behind the age.

The editors of the *Chicago Grain Trade Review* tell us of

"The Grand Trunk Railroad.

By the purchase of the Peninsular Railroad of Indiana, last Saturday, the Grand Trunk comes into possession of the last link in the line, necessary to their Chicago connection. It is expected now, that they will run cars from Port Huron to this city, over their own line by January 1st, 1880.

This insures not only the Chicago business public a new line East, but the farmers of the Northwest, a strong competitor for grain traffic. This connection cannot help but make Montreal, Portland and Boston of more importance to this section as export points, and the competition that will of necessity arise, will tend to keep freights low, and elevator and other terminal charges to a minimum figure.

The President of the Grand Trunk, Sir Henry Tyler, recently stated that his company had expended $1,680,000 so far, in gaining admission to Chicago, and would need to expend $2,500,000 more in the next three years.

We hope that the line will be fairly rewarded for its outlay, and that they will join no pools or combinations, but try the experiment of fair rates for both passage and freights, at all times and seasons."

The same Journal tells us that

"The total receipts of grain, with flour, for the two weeks ending Saturday, Nov. 1, were 8,272,676 bushels. The total shipments were, by rail, 2,039,030 bushels, and by lake, 3,470,798 bushels. Excess of receipts over shipments 2,712,820 bushels.

OUR NEW CITY GOVERNMENT.

The threatened storms have passed away,
And "Hope" bespeaks a better day;
New "City Fathers" now hold the rein
Our Mayor shows his duty plain;
If all unite, in union there is strength
Peace and prosperity will come at length.

We have read with a great pleasure the new Mayor's Inaugural Address, and we think every good, true and loyal citizen, all, who at heart desire the prosperity of our City and State (for our City is the *Heart of the State*) will accord to our new Mayor high honor for his bold, clear, and faithful Address; The time has come when those in authority should be bold, fearless and faithful at the post of duty, and there never was a time when the Reform mapped out by Mayor Kallock was more needed, and no man ever had so glorious an opportunity to make a good and great name as our new Mayor now has, and we have faith to believe he will carry out the doctrines he has laid down faithfully, and in this work he will have the hearty cooperation of every good citizen, patriot and Christian, who will say to our Mayor "On and God speed you."

It certainly would seem as if a Divine Providence had ordained the recovery of Mr. Kalloch for a great and good work, and we look forward with a good hope for its completion.

San Francisco as a City is like "a light set upon a hill" her light, her influence is seen and felt the world over, and if there is a city in the world where a city should stand high in its reputation for order, peace and a good Government, San Francisco is that City, and for such a name, for such a fame its keeping is now in the hands and in the power of our new Mayor, Kalloch.

The Inaugural Address of our Mayor should be read by every family of this City, and to this end we hope the Supervisors will see that *One Hundred Thousand Copies* of that Address be printed and delivered to every family so that all may know what is needed by them and cause them to aid and assist the authorities in carrying out the good work of Reform, and thus hold up the hands of the Mayor and all in authority.

DEATH OF PIONEERS.

"Death is a fearful thing;
The wearied and most loathful earthly life
That age, ache, penury and imprisonment
Can lay on Nature, is a Paradise
To what we fear of death."

Thus speaks Shakespeare, and yet there are many cases where the wise and good fold their earthly robes around them and lie down as to a calm sleep and pass away with quietness and composure.

The great number of deaths the present year of our Pioneers and of citizens of note and influence has been very large, they have fallen like the leaves of Autumn that drop by the wayside with every passing breeze, the record of most worthy names of our old citizens, and, were we to record all that have "passed away" even during the year now closing, would fill columns, the reaper 'Death' has been very busy with his sickle, and it seems as if like the reaper in our grain fields he gleaned the tall, strong heads as for seed grain, to gather into the "Grainery of Heaven" for so many of our best and most influential men have been called away, but,

"Leaves have their time to fall,
And flowers to wither, at the north wind's breath,
And stars to set—but all,
Thou hast all seasons for thine own, O Death!"

As we recount the names of those who have fallen the past year they swell into a host, leaving in many families a blank, a vacant seat at the table, and a melancholy reminder of lost "loved ones," especially now when the happy "Holiday Seasons" shall return, but

The departed are at rest now, and tears and mourning will not bring them back to earth again, they cannot come to us, we must go to them.

The seasons roll on, time tarries not, Thanksgiving has gone with its many family gatherings, Christmas and New Years is nigh at our doors, and the world and its people seem to say amid the whirl of its busy scenes.

"What to us is the grave?
It brings no homily! we sigh,
Pause for a while, and murmur, all must die!
Then rush to pleasure, action, sin, once more,
Swell the loud tide, and fret onto the Shore!"

Our Australien Visitors.

California has been having a goodly number of visitors the past year, and many citizens and merchants of high standing have been with us to learn of the *resources* and opportunities of our State and Coast.

We have been much favored at our Reading Rooms by the calls of many Australian citizens and merchants, also many from New Zealand and New South Wales, and these visitors all speak in enthusiastic terms of this State, and the prospect of a large business between Australia and this Coast in coming years.

By the pleasure of a visit from Wm. H. Fletcher, Esq., a merchant of Sydney, of whom we have formerly spoken, we have received much valuable information. Mr. Flether has a prominent position at Sydney as a Commission Merchant, and we take pleasure in most cheerfully commending him to those merchants of the Pacific Coast who shall wish to open up a business with Sydney or any part of Australia.

Our Grain Interest.

We have received from A. Montpelier, Esq., the Cashier and Manager of the Grangers' Bank of this City, a very valuable Chart giving Comparative Statements, and showing the monthly and average prices of California Wheat in Liverpool for the last *thirteen years.*

The same Chart gives the average *wheat freight rates* for same period of time—these Charts are an invaluable treasure to our Grain growers, as it gives at once the conclusive evidence that the farmer or grain grower *does best* who sells at harvest time or near to it, in the average of years.

Mr. Montpelier has done our State a good service by his great labor in preparing these Charts, which does him great honor.

"Agriculture, the soul, the basis of my empire."—*Napoleon.*

GREAT IMMIGRATION HITHER.

Some few years ago during the great *furore* about *Homesteads* when all our outside waste lands from this City were laid out down to San Jose and on all sides, East, West, North and South, we published the following article in aid of Immigrants, we saw the various schemes then to "sell lands" to new comers, and we knew of many immigrants that were *badly sold*, many who soon left our State for Oregon, Washington Territory, or went back East, and our State was a great loser by those scheming and *pretended* friends of the immigrant.

We notice that there is now new associations forming which promise to aid the immigrant, and if these societies can only keep clear of all land schemes, and speculative plans that cause suspicion in the minds of the new comers, then good can be done, if not, all their labor will be vain, and instead of drawing *one, two* or *three hundred thousand immigrants* to California, they will go to Texas, Minnesota, Arizona, Dacota, Oregon and elsewhere.

To satisfy the immigrant and convince him that those associations are his friends, the officers and managers of them must be men not heretofore connected with Land Companies.

Immigration is now tending to our own Pacific Coast, from various parts of Europe, as well as from many of the older States of our Union, and it is of the highest moment, to the best welfare of our State, and to those who are now in authority, that we should be prepared to receive these new comers, and do all we can to make them contented and happy, and thereby promote the general welfare of the whole State.

The following were our views years ago and we entertain the same views now.

When we review the present condition of society, and analyze the temperament and feelings of the great mass of the people, we must confess that we have reason to fear that we are not ready yet for a great rush of new-comers, but the people *are* coming by *hundreds* and by *thousands*, yet, we repeat, *we are not ready for them;* although great efforts seem to be made, and considerable talking done about Immigration Associations, etc., etc.

What is now *immediately wanted*, to make ready for new-comers to our shores, is to have our "Land Titles" settled, and our "Land Office" free and easy of access, where all necessary maps of land can be seen by immigrants, and reliable information given, without taking away the *last dollar* of the new comers.

Another difficulty in the way of the State's prosperity, arises from clinging to the old habits of '49, as to prices of labor. We have too many who cling to old notions, and think if they cannot "pan out" *half an ounce* per day, they will not work, i. e. they cling to old habits, and old prices, and seem to forget that *money* is not 10 per cent per month, but 10 per cent. per annum. Consequently the price of labor will seek its own level—the same as water,—and if a man cannot earn "half an ounce" ($8) per day, better work for one dollar than to remain idle.

Industry will always find its reward, and we think if the thousands of idlers that loiter in our cities and at the capitol, and in our mining districts, would but take a hint of the poor, abused chinaman,—who will work in the mines steadily, whether he makes $8, or 50c,—our State would progress much better.

We fear the evil example of our idle loafers upon the new immigrant; we fear the condition of our land titles will discourage him; and we also fear that the many pretended friends (?) of the immigrant will soon leave them, after they have sold him some of their "Homestead land." Our State authorities should take this matter in hand, and by some well devised plan, free from all political or speculative influence, step forward and aid these immigrants that will, as we have said, come to our shores by thousands next year.

The immigrant should have his attention directed to the "Railroad lands," for these are among the very best lands in the State, and a few years only will show new products from our hills and mountains, along the line of our Railroads, that will astonish all. Orchards and vineyards, hop-yards, vegetable and flower gardens, will be the ornamental works on the Great Pacific Railroad in a few years; and from the mountains our best products will be derived.

To accomplish the "greatest possible good, for the greatest possible numbers," the tens of thousands, aye, hundreds of thousands, of acres of these Railroads lands should now have the attention of immigrants, for these will be made the richest, and most certain, prosperous, "Homesteads" for those who are now coming, for the majority of them will be from Germany and Switzerland—both mountainous countries—and their experience with such lands will give them great advantage.

We also call the attention of our Legislature to the importance of our now waste *mineral lands* these should be surveyed, and brought into the market and sold—and, instead of the now *deserted mining towns*, we should have prosperous and happy villages, and a great increase to the productions of our State.

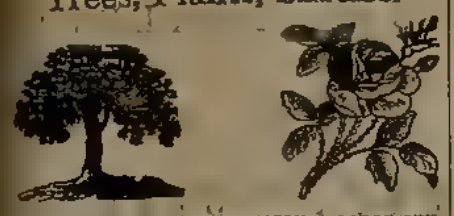
We hold that the only true and legitimate way to promote immigration to our Coast will be to have our State authorities move in the matter, make a liberal appropriation to advance this interest, then send forth maps and information of our State broadcast freely, and keep all this work free from "Land Schemes" "Colonial Settlements" or private speculations, this would win the confidence of those who seek information of California; but we should then have a healthy income of new settlers, and until this is done our growth as a State will be slow, while all other new States and Territories are doubling up their populations very fast.

Fire and Marine Insurance Company.

We refer again to the New Zealand Insurance Company, who are prominent as an Insurance Company for marine insurance, and a safe company to have a policy in. H. Craig, Esq., is the agent of the company.

SANTA CLARA VALLEY
Nursery.

Trees, Plants, Shrubs.



I OFFER FOR SALE THIS SEASON A LARGE GENeral assortment of Nursery stock; Fruit Trees, Small Fruits, Shade and Ornamental Trees and Plants.

ROSES, in great variety and choice.

APPLE and PEAR SEEDLINGS at reduced prices.

Also the MIPOBOLAN PLUM, which does not sucker.

To parties buying largely I offer special inducements.

☞ Catalogues free on application. ☜

BERNARD S. FOX, Proprietor.

San Jose, Cal.,

Thomas Meherin, Agent.

516 Battery Street.

SAN FRANCISCO.

49:20 3m

W. H. FLETCHER,

Shipping and General Commission Agent,

SYDNEY.

HAVING HAD CONSIDERABLE EXPERIENCE IN the Australian Trade is in a position to purchase and ship Colonial Merchandise and to attend and promptly, to the disposal of Californian Produce consigned to him for sale.

REFERENCES.

HUGH CRAIG, Esq., 307 California Street.

MESSRS. WARREN & CO., San Francisco.

49:16

My Annual Catalogue of Vegetable and Flower Seed for 1880, rich in engravings from photographs of the originals, will be sent FREE to all who apply. My old customers need not write for it. I offer one of the largest collections of vegetable seed ever sent out by any seed House in America, a large portion of which were grown on my six seed farms. *Full directions for cultivation on each package.* All seed *warranted to be both fresh and true to name*; so far, that should it prove otherwise, *I will refill the order gratis.* The original introducer of the Hubbard Squash, Phinney's Melon, Marblehead Cabbages, Mexican Corn, and scores of other vegetables, I invite the patronage of *all who are anxious to have their seed directly from the grower, fresh, true, and of the very best strain.* **New Vegetables a Specialty.**

42:20 3m JAMES J. H. GREGORY, Marblehead, Mass.

NEW STRAWBERRIES.

BY MY SYSTEM OF MAILING PLANTS I CAN SAFELY send to California during the months of November, December and March. Many customers on the Pacific Coast can verify this. OVER 100 VARIETIES OF NEW STRAWBERRIES are now being grown on my grounds, SHARPLESS, GLENDALE, ENDICOTT, PRESIDENT LINCOLN, MIMM'S GREAT PACIFIC and PIONEER, all give berries over 5 inches around, and some specimens even 10 and 12 inches around. Plants of each by mail for $2.00 per dozen or ½ dozen of each for $2.00, postage paid, Crystal City, Hervey Davis or Monarch may be substituted for any of above. Cuthbert and other new Raspberries and Blackberries at 75 cents per dozen *by mail*; older varieties 50 cents per dozen. Grapevines 25 cents each. References, Cashier First National Bank of Sangerties, N. Y. address **R. H. HAINES**, Sangerties, N. Y.

Stands unequaled for ease of draft, the Horse-Power runs as shown by the records, with more than one-third less friction than any other. The only machine awarded a

CENTENNIAL MEDAL

on both Horse-Power and Thresher and Cleaner, at the Centennial Exhibition, as shown by Official Report, which says: "For special features in the Power to secure light running and minimum friction. For the ingenious form of the Straw Shakers, which insure the proper agitation to separate the grain from the straw." For Catalogue, Price-List, and full report of trial, address

MINARD HARDER, Cobleskill, Schoharie Co., N. Y.

49:21 1m

JOHN SAUL'S

CATALOGUE OF NEW, RARE AND BEAUTIFUL plants will be ready Feb. 1st, with a colored plate. It is full of really good and beautiful plants new Dracænah; new Crotons; new Pelargoniums; new Roses; Geraniums; Clematis, etc., with a rich collection of fine foliage, and other greenhouse and hothouse plants, well grown and low prices; Free to all my customers, to others 10 cents, or a plain copy free. Catalogues of Seeds and Roses free. Address **JOHN SAUL**, Washington, D. C.

CHEESE CURD CUTTERS.

CHEESE CURD CUTTERS

OF ALL SIZES

FOR SALE AT

320 Clay Street,

W. W. SHARPE & CO.,

PUBLISHERS' AGENTS,

No. 25 Park Row, New York,

Are authorized to contract for advertising for

CALIFORNIA FAME

A SPLENDID ESTATE.

One of the finest estates on this coast can be purchased on the most liberal terms and at truly advantageous rates, offering to any gentleman, of means and taste, a rare opportunity to secure to himself an elegant location all ready made, with ORCHARDS, VINEYARDS, ORANGERIES, and GARDEN GROUNDS, all yielding a large income from the sale of Fruits, Wines, and other products annually.

This estate comprises from 300 to 350 acres of the finest land on this coast, admirably located, between well sheltering hills, in as beautiful a valley as can be found, and isolated from any other landholders, thus giving a true principality and a royal domain.

The reason of sale now is, the desire of the owner to retire from so active a duty and so great a charge, to one of many years, as the care of such an estate demands, when the gathering of Fruits, marketing the same, the making of Wines, that the proper care of Orchards, Vineyards, etc., requires.

The income of this estate approximate to $20,000 annually, and to a company, or to any person, who will give due and proper care to such an estate, the whole property could be made with the income and profits in four or five years.

No description of this estate would do it justice, it must be seen during its heavy bearing crops to be appreciated, and now is the time for any person who wishes to secure a splendid and beautifully located country home to visit and examine the estate.

There are at present on the estate a neat cottage, wine and fruit houses, stables, etc., with ample surroundings for making a truly modern beautiful home

What an opportunity for a truly prosperous enterprise in fruit raising and fruit preserving, and the leading fruits for export, both for fresh and dried, and also for wine making

We give the proof of what a solid foundation there is on this estate for such an enterprise, by showing the extent and the number of trees now in bearing upon this fine estate, in the following data.

The Vineyard is one of the best in this State as to the selection of the vines and the variety, and to their present health and bearing state, being in their very prime. The Vineyard covers 35 acres, and is most perfectly located, so as to receive the morning sun.

The Orchards are most admirably located, trees are the choicest, all in the most perfect health and in full bearing, and their numbers, near as possible, are as follows:

Cherry	1,600
Pear	800
Apple	700
Peach	700
Plum	300
Quince	200
Pomegranates	60
Almond	50
Fig	50
Walnut	70
Orange, large	50
Orange, small and new kinds	750
Vineyard named above, acres	35

A beginning and a basis for a splendid Orangerie of great value with the young Orange trees named above.

This immense collection is the grand basis of a fortune.

Here there is the foundation for a grand enterprise for raising choice fruits for our markets.

For making Raisins for export

For Drying and Preserving for export.

For exporting Fresh Fruits East.

And for making Wine.

To a company of young, active, enterprising men, perhaps four, who should each assume the head of different departments, viz:

One for Market Fruits.

One for Raisin Making.

One for Wine Making.

And one, a General Manager, to employ and pay men and superintend the labor department—such a division of labor making a certain success for all.

Here with a reasonable capital of some $15,000 in hand, a property of more than $50,000 could be controlled and could be made and cleared in less than FIVE YEARS.

The location of this property for beauty of scenery, for excellence of position to many markets, at home and abroad, is unequalled; and the reputation of the fruit grown on this estate is so famed that the highest price is always obtained for fruits bearing the name of these orchards.

Now then, in times like the present is an opening for a splendid enterprise, the reason of the sale of this estate is the declining health of the owner and his advanced age.

The title to this estate is the most undoubted, and clear proof of the certain success of the prosperity of such an enterprise to energetic and capable men, can be clearly made manifest.

All particulars can be had by *bona fide* purchasers, by addressing **EDITOR FARMER.**

ROYAL
SEMI-PORCELAIN
DINNER SETS
REDUCED TO $7.50

GOBLETS - - 75 Cents per dozen.
TUMBLERS - - 50 Cents per dozen.

Other Goods in Like Proportion.

O. LAWTON & CO.,

609 AND 611 MARKET STREET,

49:17 SAN FRANCISCO.

THE DINGEE & CONARD CO'S
BEAUTIFUL EVER-BLOOMING
ROSES

We deliver **STRONG POT ROSES** for Winter Bloom and Fall Planting, *safely by mail*, at all post-offices. Five Splendid Varieties, *your choice*, all labeled, for $1; 12 for $2; 19 for $3; 26 for $4; 35 for $5; 75 for $10; 100 for $13. Send for our **New Guide to Rose Culture**, and *choose from over* 500 Finest Sorts. Our Great Specialty is growing and distributing Roses.

THE DINGEE & CONARD CO.,
Rose-Growers, WEST GROVE, CHESTER Co., PA.

PHIL NEIS,

Hop Dealer and Commission Merchant.

HOPS AND BARLEY SPECIALTIES.

Pressed Hops in ¼, ½, and 1 pound Packages.

322 DAVIS STREET,
SAN FRANCISCO. 49:14

DEERE & COMPANY,

MANUFACTURERS OF THE

JOHN DEERE MOLINE PLOWS.

MOLINE PLOW WORKS.

11-INCH STUBBLE PLOW.

THE WORLD'S FIRST PRIZE AT THE VIENNA EXPOSITION IN 1873.

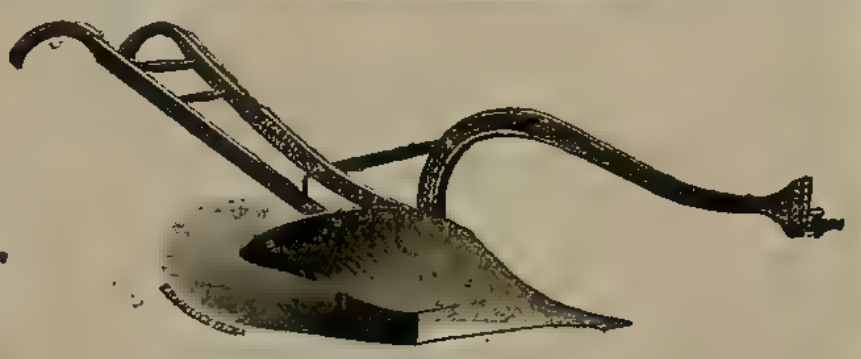
The points sought for in plows are steadiness of run, ease of draft, perfect work, and durability—and these important considerations we think we have secured to our plows. This was so decided by the Committee at the Great Vienna Exposition, who awarded the prize to our plows.

THE DEERE GANG PLOW.

Its ingenious construction and simplicity are shown in the fact that by *one lever* it is operated to any required depth. Opens up the first furrow and finishes the land by simply *moving the lever* from one notch to another, the plows maintaining a level position at all depths, and by pressing the same lever outward until it locks into a lug on the hub, the plows are carried clear of the ground by a half revolution of the wheel.

Its strength and durability are shown by merely stating that it is all *iron and steel*; and although there are many lower priced Gangs than ours, its cheapness is demonstrated by its greater durability and superior adaptation to the purpose for which it is designed. The DEERE GANG has an advantage over others, also in its lightness of draft, as has been proved in many dynamometer tests, and the many farmers having them in use have become satisfied, by comparative *team tests*, that no draft is added by the weight of frame and driver; and this is accounted for by the well known fact that a heavy load can be carried on wheels easier than a lighter one can be dragged on the ground.

The principle on which the DEERE GANG is constructed is such that the tendency of the plows to run at greater than the required depth is arrested by *the lever*, and the weight of plows and earth upon them, as well as that of the frame, is transferred to and carried by the wheels.



IRON BEAM PLOW.

The stickiest soil will not adhere to the working surface and more and better work can be accomplished with them each day, with ease to team and plowman, than with the plows of any other make.

They have been awarded the highest prizes ever offered in the country on plows, and have successfully carried off the prizes offered by the agricultural societies of the different Western States, and last season was awarded the GRAND PRIZE in field trial at the PARIS EXPOSITION, besides many prizes at other European trials of lesser note.

DEERE & COMPANY,

MOLINE, ILLINOIS, U. S. A.

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S

Liver and Bilious Pills.

☞ Full Directions for Use Accompany every Box.

—ALSO—

CLARKE'S

Concentrated Compound Fluid Extract

—OF—

EUCALYPTUS

Clarke's

LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1872.

To MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed good health since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON.

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 23, 1874.

To MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)
JOHN GREEN,
—Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus:

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir:*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,

GALEN CLARK,
Commissioner Yosemite Valley

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, coming from so high a source, we feel it a duty we owe to the public to give it the following letter:

SANTA CLARA, SANTA CLARA COLLEGE.

COL. WARREN—*Dear Sir:*

Heretofore we have had no occasion of trying the Eucalyptus Medicines, in Pills or Liquids, but we have commenced to use them, and we find them very beneficial; some of our Fathers find a great relief in their complaints; the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare. Yours respectfully,

A. CICHI, S. J.

At later date we received the following, another proof of the virtue of this Medicine:

The Pills we find to be a mild and beneficial cathartic. The Liquid Extract is a valuable Blood Purifier and a good appetizer. A. CICHI, S. J.

The above from Prof. Cichi, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedial.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you David Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY

David Clarke,

Manufacturing and Wholesale Chemist,

AT HIS LABORATORY,

Warwick, Queensland.

FOR SALE BY

WARREN & CO.,

SOLE AGENTS FOR THE

UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

FRESH ALFALFA SEED.

New, clean, selected CALIFORNIA ALFALFA SEED in quantities from 10 pounds to tuns, in lots, can be had at the lowest market price at

CALIFORNIA FARMER OFFICE.
320 Clay Street.

DO YOU WANT $25 A DAY? We Will Prove it. Send 4 Postage Stamps for Postage, and Receive Free, a Costly Box of Goods which will put you in the way of making more money in a few days than you ever thought possible at any business. Capital not required. We will start you. Men, women, boys and girls wanted everywhere to work for us. Now is the time. You can work in spare time or give your whole time to the business. No other business will pay you nearly as well. No one can fail to make enormous pay by following our directions. Nothing like it ever before offered. Those already at work are making fortunes. Address, TRUE & CO., Augusta, Maine.

QUAKER CITY GALVANIC CO. Philadelphia, Pa.

49:20 13t.

Home Miscellany.

"There is no place like home.
Home! It should be Heaven on Earth

GRANDFATHER'S THANKSGIVING.

BY MRS. M. L. RAYNE.

Grandfather's head is drooping—
He nods in his cushioned chair,
While the firelight's changeful shadows
Flit o'er his snowy hair;
He smiles to himself and mutters
Strange words of other days,
That sound like forgotten echoes
Of past thanksgiving lays.

The house is filled with music
Of gay thanksgiving cheer,
The children have forgotten
He sits in darkness here.
Nay, not in darkness; somewhere
A radiant glory streams
And lights the old man's forehead
With the nimbus of his dreams;

And shows in mellow radiance
A city fair to view,
Still waters and green pastures
And skies of Summer blue.
And there they all are gathered—
The friends he misses here—
They're keeping their thanksgiving
Amid the heavenly cheer.

Yes! there is softened splendor
In a face he used to know,
With smiles like those of angels
And hair of golden glow;
The eyes look fondly on him
With gentle, pleading gaze;
Ah! somehow, they remind him
Of boyhood's willful ways.

His mother! why 'tis forty,
Nay, fifty years agone
Since she slept in the valley
Beneath a grave moss-grown;
Yet here, in youthful blooming
She looks on him to-night,
And smiles and beckons to him
In the mystic shadow light.

And this—why little Annie
Comes softly to his side;
'Tis forty years thanksgiving
Since she became his bride.
Ten years the snows have fallen,
Ten years the roses bloomed
About this little hillock
Where Annie lies entombed.

Back! back! short years of pleasure,
Back! back! long years of pain,
Leave the old man his visions,
They may not come again;
Leave him his guests—the angels.
His dear ones of the past;
Oft had he dreamed their presence—
It is no dream at last.

The children haste to waken
Their grandsire in his chair,
They missed him from their pleasures
And find him sleeping there.
Will his dream people vanish,
The lovely visions flee?
Nay! *this* was but the vision,
That the reality.

LOVED AT LAST.

And so he loves me! though they said
No lover e'er would come to me,
That I should never be wooed or wed,
Or nurse a child upon my knee;
They were so sure that I should miss
The woman's heritage of bliss.

And I, too, in the sad grey hours,
When through low clouds no sunlight shone,
And when the slow September showers
Seemed nature's tears for Summer gone,
I murmured with a long sad sigh,
"My summer also has gone by,"

But now I know that what to me
Seemed Autumn rains were showers of Spring;
Summer has come, and now I see
Love's sunlight brighten everything.
He says he loves me, and to-day
My year rolls back to early May.

How did it come? I ask of him;
He says my face is sweet and fair;
And yet to me these eyes seem dim,
And on this brow are lines of care.
But now these eyes shall yet be bright,
And once again this brow grow light.

He loves me! loves me! I repeat
The blest assurance every hour;
And now the wine of life is sweet,
That yesterday was sharp and sour;
Now I can drink, with spirit bold,
Love's nectar from a cup of gold.

I look through slow long-coming years,
Made by his love all bright and fair;
I look around through happy tears,
And see his image everywhere.
In his great love I breathe and live;
If it be sin, dear God, forgive.

It cannot be. Since I have known
His love, God's love seems dearer too;
He has come near to me, and shown
What for the humblest he can do.
Life's fateful fingers interwine
The human love with the divine.

O love, love, love! O blessed word,
That never did I understand
Till in my ear his voice I heard,
And felt the pressure of his hand.
No more I walk with eye's cast down;
I am his queen—love is my crown!

—*All the Year Round.*

NEW MUSIC.—We have received a very pretty ballad entitled "Some Day You'll Come to me Again"—the words by Louis Byersdorf, and music by James A. Kerr. The ballad is dedicated to "Adelaide," the sentiment of the ballad and the sweetness of the music, must make it popular—published by the author and for sale at all the music stores.

WRONGS AGAINST GIRLS.

This paper will be limited to wrongs committed against girls, before they have passed from infancy.

During a period, prior to that termed infancy, there are undoubtedly sins committed against girls, whose effects upon the woman's character are lasting. I approach this part of my subject reverently, and feel sure that those only, who by nature are coarse and sensual, or, by custom are encrusted with the brittle shell of a false modesty, will either misconstrue or blame my words.

Physiologists, that trusted class of writers, and Phrenologists, that doubted class, join in the assurance that the condition of the mother's mind and the channel of her thought, during the prenatal existence of the child, affect the tone of its mental system throughout life. During that period, do mothers generally contemplate the possible birth of a girl with pleasure? I grant, that sometimes the prayer is—"May a girl be born unto us!" When this is the case, what are usually the circumstances? Boys already fill the house, perhaps, and the sage parents think that a sister would have a mollifying influence on their roughness; that she, through gentleness and helpfulness, would tone down their tempers, and smooth their boisterousness, and polish their manners. This is penned from life. We have all heard the effects of a sister's presence in a family of boys, mathematically measured, scores of times. Or, sometimes, a mother oppressed with household cares, thinks that one daughter would relieve her of some of her too many burdens, or, a father, being rich, would like a daughter whose youth should grace his house, whose beauty adorned by his wealth, should increase his sources of pride. Again there are fathers and mothers, who long for a daughter, and rejoice over her coming, with a pride that could not be increased by the advent of a prince; yet these we all know, are but the exceptions that prove the rule. Every one knows that it must needs be that daughters be born, yet the majority of people would rather that their neighbors should have numerous daughters, than they themselves should have them. Mothers hope not for daughters, because "A girl's life is so full of temptation"—because, "We dread the responsibility of bringing up a girl," because, "A girl can't get along as well as a boy" and because, "A girl wouldn't be so much to her father, you know."

We have all heard these sad utterances, either direct, or on very good second-hand authority, scores of times, and from the time that the pious patriarch blessed God, that unto him, were given sons, and again blessed God, that unto his enemy were given daughters, numerous sons have been welcomed as a glory, numerous daughters have been depreciated as a burden.

In proof of the reality of this state of popular opinion, recall the times you have heard this form of comment upon the arrival of a baby-girl.

"Well, of course Mr.—will make the best of it" (assuming that a daughter is a cross to be borne with resignation) "but then he is dreadfully disappointed that it isn't a boy." In case of an infant's death, the parents are treated as needing much more sympathy and condolence if a boy, than if a girl be taken. Often, have I heard these words varied only by a change of names. "Oh, yes, it is very sad that little Alice should have died, but then not nearly so hard for the parents to bear, as if it had been Arthur!" If one ventures upon a "Why?" one is told in a surprised tone that "The parents depended upon the boy to be their prop in old age;" that—"The son perpetuates the father's name, etc., etc.," and these praises falling upon the ears of baby-girls, are no without their effect.

Much more often than the baby-boy, does the baby-girl enter the world, unhoped for, unwished, from the beginning, a family disappointment, and thus are already sown in the infant mind seeds of self-doubt and melancholy; a premature feeling of home-sickness and in-the-way-ness, that sometimes manifests itself with the earliest expressions of intelligence; that oftener are concealed until maturity, when the lips of the woman confess the experience of the child. I shall never forget the tone in which a cultivated, self-reliant, self-supporting woman, said to me in explanation of what seemed an inborn melancholy: "My mother never wanted me, and I have never wanted myself; my father's first caress was joined with the wish that I had been a boy, and his wish I have always felt." "The feeling that I am not wanted, that the world has no place for me, I can not rid myself of."

This woman *was* wanted. She has made a place in the world which she yet fills with honor—but reason can not master the inborn impression.

The reader may reproach me by saying that all this quite antedates my nominal subject—"*Training.*" I admit it; but this element in the forming, the creating, accounts for much that is unsymmetrical in woman's character.

To proceed to *training*. For the first few months of life, babies of both sexes are about equally petted, fondled, and maltreated; but, when a year has developed strength enough for independent walking, there begins a change. While boys in summer are put into loose linen suits, high in the neck and long in the sleeve, and in winter, into flannels of similar make-up, and allowed the luxury of bare feet, or the comfort of loosely-dressed ones, according to the season,—girls are kept in low-neck, sleeveless frocks, their little feet are enclosed in tight, dainty shoes, and, during the first five years, the girl's bare neck and arms are subject to kisses from masculine lips of whatever order may be attracted thereto; funny impertinences and infantine coquetries, because amusing, are flattered and fostered and enough of the seed of vanity shown, to warrant ordinary soil in producing a *weak*, if not a *wanton* woman.

From this contrast, I do not wish it understood that I regard the treatment accorded to boys quite perfect. Boys are sinned against in a thousand ways, but many of the sins against boys have within themselves the property of reaction, and the quality of self cure.

It is true that boys are turned loose into the street, but even the drill of the street is less harmful to a boy who, open to the influence of the other and bad boys, is at the same time open to the influence of hearty fun and frolic, and to the silent influences of nature, than to the girl is the drill of the parlor, where she is exposed to the deadening, drying influences of society manners, hampered by the injunction to be a lady, tied by artificial restraints.

Little girls are taught that it is coarse to speak loudly, it is boyish to laugh loudly; and, although to be a boy, is to be "a joy forever," even when not "a thing of beauty," to be boyish, is "to be disgraced forever."

Mud pies, the study of natural science, with grasshoppers, bugs, and ground-worms for specimens; running, rolling, and all sorts of original gymnastics are the boys' legitimate line, but the same pleasures among girls are contraband and subject to unwarned confiscation. Little girls must not play out of doors, for they will tangle their curls, tan their cheeks, and tear their dresses. A wrong greater than these prohibitions is exercised toward girls in the false-named "indulgences" granted them.

From the outset boys are made to feel that somewhat is expected of *them;* their crying is hushed with the assurance that "men don't cry;" "you are a man." In the same way, boys are taught "to despise fear." Little girls are almost never, in any way, or in the same way, to the same degree, taught self-control. Tears and fears are expected of them; it is no disgrace to them to be afraid in the dark, or to run from a caterpillar. Weak lungs are the result of the insisted-upon low speaking and bad dressing; weak limbs are the result of the insisted-upon indoor life; weak nerves and miserable hypocrisies are the result of indulgence in petty timidities.

And here we have what, up to five years, are some of the wrongs against girls.—M. W. T. in *Woman's Tribune.*

LINCOLN'S TENDERNESS.

A striking incident in Mr. Lincoln's official life is related by Judge Bromwell, of Denver, who visited the White House in March, 1865. Mr. Seward and several other gentlemen were present, and the President gradually came to talk of decisions on life and death. All other matters submitted to him, he declared, were nothing in comparison to these, and he added:—"I reckon there never was a man raised in the country on a farm, where they are always butchering cattle and hogs and think nothing of it, that ever grew up with such an aversion to bloodshed as I have, and yet I've had more questions of life and death to settle in four years than all the men who ever sat in this chair put together. But I've managed to get along and do my duty, I believe, and still save most of them; and there's no man knows the distress of my mind. But there have been some of them I couldn't save—there are some cases where the law must be executed. There was that man ——, who was sentenced for piracy and slave trading on the high seas. That was a case where there must be an example, and you don't know how they followed and pressed me to get him pardoned, or his sentence commuted; but there was no use of talking. It had to be done; I couldn't help him. And there was that ——, who was caught spying and recruiting within Pope's lines in Missouri. That was another case. They besieged me day and night, but I couldn't give way. We had to come to a point where something must be done that would put a stop to such work. And then there was this case of Beal, on the lakes. That was a case where there must be an example. They tried me every way. They wouldn't give up; but I had to stand firm on that, and I even had to turn away his poor sister when she came and begged for his life, and let him be executed, and he was executed, and I can't get the distress off my mind yet." As the kindly man uttered these words the tears ran down his cheeks, and the eyes of the men surrounding him moistened in sympathy. There was a profound silence, in which they arose to depart. Three weeks after the President was killed.

WINTER FASHIONS.

STYLES FOR THE SEASON.

The styles for the coming season are rich, pleasing, and varied to a degree exceeding that of many past years. The revival of changeable or shot silks, satins and velvets, brocades and damasses, the introduction of gold and silver threads into many of the richest dress goods, and the revived form in which cut jet and variegated beads have been reproduced, render fashion this year a gorgeous and beautiful wonder. The modistes and milliners have caught the artistic spirit, and have made admirable use of these new fabrics in the creation of rarely beautiful costumes, wraps, bonnets, hats, and accessories of the toilet.

FUR LINED GARMENTS.

Squirrel—either the whole skins or locks—continues to be the popular lining fur. The bands with which fur-lined garments are trimmed all around this Winter are of beaver, fox, cinchilla, stone martin, or Alaska sable, and all the usual trimming furs, to which is now added Grecian chinchilla, a new, medium priced, and extremely dressy clipped fur, that bids fair to be very popular.

MILLINERY.

The millinery, this season, assumes more original and interesting forms than ever, while no words can convey an adequate idea of the exquisite colors and texture of the materials. The satins, velvets, and silks, the ribbons and all woven stuffs in millinery goods, come in changeable effects, or if solid in color, are woven with a glistening and shoony surface that is indescribably beautiful. The fancy feathers also are richer and more variegated than ever, and the ostrich tips and plumes are frequently shaded in a novel and most effective manner; colored tinsel, crystal, and variegated and fine cut jet beads and ornaments are used *ad libitum* on everything, and gold and silver braids and lace, gold, silver, jet, steel and variegated jewel ornaments, all play their part in the work of bonnet and hat ornamentation.

PEOPLE WILL TALK.

You may get through the world, but it will be slow
If you listen to all that is said as you go;
You'll be worried and fretted and kept in a stew
For meddlesome tongues must have something to do
And people will talk.

If quiet and modest; you'll have it presumed
That your humble position is only assumed—
You're a wolf in sheep's clothing, or else you're a fool,
But don't get excited—keep perfectly cool—
For people will talk.

And then if you show the least boldness of heart,
Or a slight inclination to take your own part,
They will call you an upstart, conceited and vain,
But keep straight ahead—don't stop to explain—
For people will talk.

If threadbare your dress, or old fashioned your hat,
Some one will surely take notice of that,
And hint rather strong that you can't pay your way,
But don't get excited, whatever they say—
For people will talk.

If you dress in the fashion, don't think to escape,
For they criticise them in a different shape;
You're ahead of your means, or your tailor's unpaid,
But mind your own business—there's nought to be made—
For people will talk,

Now, the best way to do, is to do as you please,
For your mind, if you have one, will then be at ease,
Of course, you will meet with all sorts of abuse,
But don't think to stop them—it ain't any use—
For people will talk.

Death is Birth.

No man who is fit to live need fear to die. Poor faithless souls that we are. How we shall smile at our vain alarm when the worst has happened! To us Death is the most terrible word we know. But, when we have tasted its reality, it will mean to us birth, deliverance, a new creation to ourselves. It will be what health is to man. It will be what home is to the exile. It will be what the loved one gives back is to the bereaved. As we draw near to it a solemn gladness should fill our hearts. It is God's great morning lighting up the sky. Our fears are the terrors of children in the night.—The night, with its terrors, its darkness. Its feverish dream is passing away, and when we awake it will be into God's sunlights.

How to Make a Will.

There is a story that a wealthy Chicago merchant lately prevented the breaking of his will by calling his relatives about his deathbed and getting them to make an affidavit before a notary that he was competent to make a will. After the funeral it was found that all the property was given to a lunatic asylum. Then the heirs tried to have the will set aside by swearing that, though sane at the last, in 1875, when the will was made, he was raving mad. Thereupon the executor produced a will exactly like the first except that it was signed and witnessed a few minutes before the oaths as to the testator's sanity were taken.

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This Testimonial comes from a prominent Merchant of this City, whose name is with us for reference for all who suffer and would be relieved.

SAN FRANCISCO, April 7, 1879.

EDITOR CALIFORNIA FARMER *Dear Sir:*

Some time ago I had the misfortune to sustain a dislocation of the shoulder received from a fall, and while I was suffering the most acute pain as the effect of it, so much so as to be deprived of my sleep nights, I met my old friend, Col. Warren, who presented me with a bottle of "Eucalyptus Oil" saying as he did so, "try it." "Bathe the shoulder and arm well, and on retiring saturate a cloth with the oil, and bind it to your shoulder, and you will have no more sleepless nights on account of pain from that." I followed the Colonel's directions, and must say that the Eucalyptus Oil will do all that is claimed for it as an alleviator of pain (rheumatic and otherwise) and more too.

A preparation made from the Eucalyptus Trees, by frequent ablutions of the eyes will restore weak eyes to strong ones and positively restore the sight as good as ever to people whose eyes are failing, if they will keep their body in good condition by the use of Eucalyptus Pills—while using the eye wash. Yours truly, C. H. B.

N. B.—There are many compounds made in this State, yet however good, the *genuine* Remedials are only prepared by David Clarke, Warwick, Australia, for sale by Warren & Co., Agents.

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Miscellany.

Gatherings along the way side,
Floating gems by every tide.

GETTING UP.

Have you brought my boots, Jemima? Leave them at my chamber door.
Does the water boil, Jemima? Place it also on the floor.
Eight o'clock already, is it? How's the weather; pretty fine?
Eight is tolerably early; I can get away by nine.
Still I feel a little sleepy, though I came to bed at one.
Put the bacon on, Jemima; see the eggs are nicely done!
I'll be down in twenty minutes—or, if possible, in less.
I shall not be long, Jemima, when I once begin to dress.

She is gone, the brisk Jemima; she is gone, and little thinks
How the sluggard yearns to capture yet another forty winks!
Since the bard is human only—not an early village cock—
Why should he salute the morning at the hour of eight o'clock?
Stifled by the voice of duty, prudence, prythee cease to chide;
While I turn me softy, gently, round upon my other side.
Sleep, resume thy downy empire; reassert thy sable reign!
Morpheus, why desert a fellow? Bring those poppies here again!

* * * * * *

What's the matter now, Jemima? Nine o'clock? It cannot be!
Hast prepared the eggs, the bacon, and the matutinal tea?
Take away the jug, Jemima, go, replenish it anon,
Since the charm of its calorie must be very nearly gone.
She has left me. Let me linger till she reappears again;
Let my lazy thoughts meander in a free and easy vein.
After sleep's profoundest solace, nought refreshes like the doze.
Should I tumble off, no matter; she will wake me, I suppose.

* * * * * *

Bless me, is it you, Jemima! Mercy on us, what a knock!
Can it be I can't believe it—actually ten o'clock!
I will out of bed, and shave me. Fetch me warmer water up!
Let the tea be strong, Jemima. I shall only drink a cup.
Stop a minute! I remember some appointment, by the way;
Twould have brought me mints of money; 'twas for ten o'clock to-day.
Let me drown my disappointment, slumber, in thy seventh heaven.
You may go away, Jemima. Come and call me at eleven!

—*London Fun.*

New Way to Cut Glass.

Many persons may not be aware that glass can be cut under water with great ease to almost any shape by simply using a pair of shears or strong scissors. In order to insure success two points must be attended to. First, and most important, the glass must be kept quite level in the water while the scissors are applied; and secondly, to avoid risk, it is better to begin the cutting by taking off small pieces at the corners and along the edges, and so reduce the shape gradually to that required; as, if any attempt is made to cut the glass all at once to the shape, as we should cut a piece of card-board, it will most likely break just where it is not wanted. Some kinds of glass cut much better than others, the softer glasses being best for this purpose. The scissors need not be at all sharp, as their action does not appear to depend on the state of the edge presented to the glass. When the operation goes on well the glass breaks away from the scissors in small pieces in a straight line with the blades. This method of cutting glass has often been of service when a diamond has not been at hand for cutting ovals and segments, and though the edges are not so smooth as might be desired for some purposes, yet it will answer in a great many cases. The two hints given above, if strictly followed, will always insure success.

A Remarkable Coincidence.

A friend picked up in his office, a few days since, a corner of a one dollar greenback, and on account of its being quite large, put it in his drawer.

Yesterday, he sent a clerk out to buy a piece of stove pipe and when he came back, among his change was a one dollar bill with a torn corner. Examination revealed the fact that, the piece found on the floor, belonged to the bill taken in change, the number of the bill in each corner being 6,021,004.—*Eastern Ex.*

Iron Nuts.

It is estimated that there are in the United States over 400,000 railways cars of all kinds, also 16,000 engines. These engines and cars in traveling over the road lose annually between four and five million of nuts. These will weigh over 1,500,000 lbs., and their cost is between 30,000 and 400,000 dols., and this loss is continued from year to year, saying nothing of the nuts thrown into the scrap heap, with their bolts worthless from the use of the jam nut, also the liability to accident from loose nuts.

Lord Beaconfield is described as being chary always of accepting casual attentions from strangers. Mr. Gladstone, on the contrary, is the most accessible of all men who have attained such a position as his.

His mother wondered what little William was speculating about as he gazed intently at the rapidly sailing clouds overhead. It was solved after a while. "Mamma!" said he, "them clouds is going awful fast, isn't they?" "Yes, indeed!" responded the mother. Then came from the boy after a pause: "God must be havin' a bully ride."

A meddlesome old woman was sneering at a young mother's awkwardness with her infant, and said, "I declare, a woman never ought to have a baby unless she knows how to hold it!" "Or a tongue either!" quietly responded the young mother.

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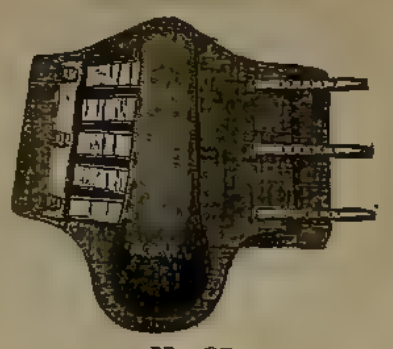

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It makes more butter, because it raises all of the cream, and the quantity is never lessened by unfavorable weather

It makes better butter It requires less labor. It is cheaper.

Butter made by this process took the HIGHEST AWARD at the INTERNATIONAL DAIRY FAIR held in New York, December 1878, and at the Royal Agricultural Exhibition held in London, June 1879, and brings the highest price in all the great markets.

Send stamp for the DAIRYMAN to

VERMONT FARM MACHINE CO.,
BELLOWS FALLS VT.

WATERS'

5 octave, $230 ORGAN—13 stops, 2 sets of reeds, octave coupler, and sub-bass, Patent Grand Organ and knee swell, black walnut case with handsome mirror top, stool and book, only $91 00

WATERS' 7 octave Rosewood Pianos, with stool, cloth cover and instruction book, only $145 00 WATERS' 7¼ octave Rosewood Pianos, with stool, cloth cover and instruction book, only $154 50. All my instruments new and fully warranted. Send for my illustrated catalogue. T. LEEDS WATERS, Agt., 146 & 148 William St., New York. Post-office Box 1750.

THE
Queensland Almanac.

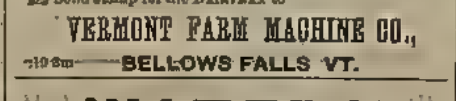
LAW CALENDER AND DIRECTORY
FOR 1879,
For Brisbane, Queensland.

TWENTY-FIRST YEAR OF PUBLICATION.

A complete Directory of all the Interests of Queensland—A valuable work of over 500 pages.

Price, $1.50 Mailed.

For sale at THE CALIFORNIA FARMER Office, Warren & Co. Agents for Publishers.



New Books—Life Science.

The following valuable new works just received at THE CALIFORNIA FARMER OFFICE, 320 Clay Street, worthy special attention.—

"PLAIN HOME TALK AND
MEDICAL COMMON SENSE,"

A most valuable work, one volume, 900 pages, fully illustrated with 200 engravings.

"SCIENCE IN STORY,"

A most interesting volume of nearly 1200 pages, admirably illustrated; Also, "Science in Story" in five volumes, most admirably written and most inviting to every reader and conclusive to the arguments of every story.

These Volumes are all Edited by Dr. E. B. Foote, and issued by the Murray Hill Publishing Company, of Chicago, Ill., and for sale at the FARMER OFFICE.

BERKSHIRE SWINE RECORD.

A SPLENDID WORK IN THREE VOLUMES, ELEGANTLY Illustrated with plates of the finest Berkshire Swine in the United States and the Canadas, sent out by the American Berkshire Association, is now for sale at the CALIFORNIA FARMER OFFICE, 320 Clay Street.

$1 A BOTTLE
—FOR—
CLARKE'S EUCALYPTUS OIL,
Sure Cure for Rheumatism.
For Sale at 320 Clay Street.

THE BEST WAGON ON WHEELS

IS MANUFACTURED BY

FISH BROS. & CO.,

RACINE, WIS.

WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

USING NOTHING BUT

First-Class Improved Machinery and the Very Best of Selected Timber,

AND BY A THOROUGH KNOWLEDGE OF THE BUSINESS, WE HAVE JUSTLY EARNED THE REPUTATION OF MAKING

"THE BEST WAGON ON WHEELS."

We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ———, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {Titus W. Fish, Edwin B. Fish, Jno. C. Huggins,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. Send for Prices and Terms, and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.
—OR—
GEO. A. DAVIS,
Manfacturers' Agent for Pacific Coast,
327 MARKET STREET,
48:17 SAN FRANCISCO.

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS

To all Parts of the United States.

J. F. FARNWORTH. - - - - - - - - - - M. T. BREWER.

NOW IS YOUR TIME TO ADVERTISE.

ADVERTISERS ABROAD AND AT HOME.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows:—All line advertisements will be ONE DOLLARS for Five Lines, or less, Nonpareil, *first insertion*, larger space, *Fifteen Cents per Line*; each subsequent insertion, *Ten Cents per Line*. This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS;

For one-sixth of a column, three months, $20.00.

For one-eight of a column, three months	$15.00	For one-half of a column, three months	50.00
For one-quarter of a column, three months	30.00	For an entire column, three months	100.00

For a single month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable, the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rates.

WARREN & CO., Proprietors,
320 CLAY STREET, SAN FRANCISCO.

COMMISSION
SALES-ROOM,
—AND—
Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and every article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 5 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large ots. Also

EUCALYPTUS SEED

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine Patent Bee Hives of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,
320 Clay Street,
SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Liniment for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Liniment is needed, as it has been proved to be the best Liniment known.

FOR SALE,
Wholesale and Retail,
WARREN & CO.,
320 Clay Street,
AGENTS FOR DAVID CLARKE'S REMEDIALS.

Australia and New Zealand!

IMPORTANT INFORMATION.

Just Received at this Office

CLARKE'S

ILLUSTRATED QUEENSLAND

ANNUAL.

Containing valuable information relative to that great and wealthy section of country, and of importance to our Merchants, especially to all who do business with that country

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, November 20, 1879.

Money and Exchange Tables.

Exc. on England, new style, long and short	4 81½ a 4 83½
Gold, at par	— 1 00
Silver, at par, in sums of	— 20 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	10s 5d a 11s 6d.
Value of Club Wheat in Liverpool	11s 6d a 12s d.
Value of Wheat in New York, bushel	1 32 — 1 35
Brewers Barley in New York, bushel	1 20 — 1 30
Wool in New York	20 — 35

MONEY AND EXCHANGE TABLES.

The *Money Market* of our State and City is now as we might say, gorged with a fullness of capital laying idle, and holders do not know how to use the large sums, unemployed.

Real Estate is dormant, little or no sales, comparatively no building, mechanics out of employ, and no great life movements, many attempts to create "A Boom" in trade, but the bubble soon bursts, and quiet come again.

Manufacturing is out of the question until Politics and Stock Gamblings have their quietus, for this, all look and all hope from the *New Legislature*, who are to correct all these evils.

Money is abundant, rates low for good investments.

Money in Europe at mere nominal rates, although the United States are drawing tens of millions from Europe monthly

When the real "Booming Times" will come to California no one really knows, our people live on "Hope."

Our "Bank Commissioners" report our Banks all sound and safe, but to make them all prosperous and dividend pay-ing a better business is needed, that "Boom" must come to make the "Boom," then their capital can be wisely used and good dividends made, if that "Boom" don't come, more Banks must *reduce capital*, for "it don't pay" to pay taxes on unemployed stock.

GRAIN AND FLOUR MARKET.

The *Grain Market* for some two weeks past has been in a very peculiar condition, from quite a high figure some six weeks since, when the excitement ruled high and figures marked up to $2.25 the cental, and grain dealers and grow-ers anticipated a run up to $3.00 the cental, the markets have fallen from that *booming* price, the same as *Stocks*; since then have often been *fat, stale* and unprofitable.

There has however been steady shipments abroad, much better than could have been anticipated from the high rates of freights, which ruled when the Boom came on.

A little spurt for high prices this week, but it will not last.

The export of Wheat and Flour has exceeded the expecta-tions of the community by more than *One Hundred Thousand Tons*, but this Journal gave the amount of export Grain for 1879 as 500,000 tons, and it will exceed that by a goodly amount.

The price of *Wheat* has now been steadily for a little time at the quoted price in our market report.

The rates of *Flour* have varied some but not much, while the shipments as noted elsewhere have been most gratifying, while the rates of freight have in some degree decreased, which has caused those liberal exports.

The *market* for *Barley* for some two weeks has been changeable, and while we are sending our Barley to New York, Liverpool, Japan, Central America, and to Australia and New Zealand, we have not as active a market as we should have, the stock on hand is large and should be sold, sent away and the value of this crop put into circulation.

The *market* for *Oats* is affected by arrivals from Oregon and Washington Territory, and this addition makes the mar-ket heavy and dull, and lowers values.

Corn comes in beyond the demand for it and lessens the price.

Buckwheat and *Rye*, steady in price, no great demand.

The *market* for *Hay* is better, as the "rainy season" sets in.

All the *Feed-Grains* are in good supply, some changes in value, (see market rates)

The *Hop market* is well cleaned up, as is seen by the Edi-torials in our Columns.

It is a notorious fact in the history of California that whenever any article is kicked out of the market as *worthless* a few brief years and the same *thing* is "at the top of the market," so with *Hops*, this past year has seen hops sold at 1, 2 and 3c. per lb., and hop fields plowed up and the busi-ness abandoned—now hops are 25 to 40c. and our market bare—and so our strange market operates. [See Hop editor-ial in another Column.]

The *Honey Crop* this year being so short the price has gone up and will go still higher, quite a large quantity of honey has been consumed this winter to *feed* bees when food for them was short, more than 10,000 lbs. has already been used for the hungry bees.

The *Potato market* has improved, some choice potatoes such as the Humboldts have gone up to 90c., *Gems* hands 70, 75c., common Red 40, 50c., and early Rose *the best of all* and yet the early rose sells at 25 to 35c., a sack, and as good as the best.

Onions have advanced, and are 70 to $1 per 100 lbs.

The *Bean Trade* is not so large as usual, and prices are the same as at 1 or 2 weeks since.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 70 — 1 80
do Choice do.	1 95 — 2 05
do Milling do.	2 07 —2 25½
Barley, per 100 lbs., feed	75 — 85
Barley, for brewing, (Chevalier)	1 55 — 1 75
Rye	1 10 — 1 20
Oats, California, per 100 lbs.	1 15 — 1 40
Corn, do. do.	80 — 1 05
Flour, Superfine, per bbl	4 25 — 4 50
do Extra	5 00 5 50
Extra Flour for shipping	5 50 — 6 00
Very Extra Family Flour	6 00 — 6 50
Oregon Superfine	4 25 — 4 50
do. Extra for Shipping	5 50 6 00
Corn Meal per 100 lbs.	2 00 — 2 25
Buckwheat per do	1 50 — 1 65
Bran per ton	14 00 —15 00
Middlings per ton	17 50 18 00
Ground Barley	18 00 —20 00
Oil Cake Meal, for feed, per ton	—34 00
Beans, per 100 lbs, various	1 50 — 1 75
Beans, Lima	4 00 — 4 50
Potatoes, common	25 — 30
Potatoes, choice	40 — 75
Early Rose	40 — 50
Sweet Potatoes	85 — 95
Onions, new	50 75
Hay per ton, ordinary	8 50 9 00
Hay per ton, extra	10 00 —11 00
Wheat Hay	11 00 —13 50
Alfalfa Hay	—
Straw per bale	4 00 — 5 00

Retail Prices in the Fruit Market.

The *Fruit market* now shows at the close of the season, a thinning off of many of the choicest kinds of fruits, and yet our market shows a goodly display of very fine fruits, home grown and Foreign also, and while home fruits grow cas, imported are increasing, as the Holidays come, all need fruit, Apples, Oranges, Dried and Preserved Fruits plenty, and at reasonable prices, Strawberries and Raspber-ries are still in market, we wish our northern friends to re-member we pick this kind of fruit from our gardens at Christmas time—what a country!

That our friends abroad may form some idea of our Fruit and Vegetable market we refer them to our editorial in re-ference to the large shipments of Messrs. M. T. Brewer & Co., Fruit merchants of Sacramento.

Apples, per box	50 — 1 00
do. do. lb	4 — 5
Pears, per box	75 — 1 25
" per lb	6 — 8
Figs, dried, per lb	12 — 15
Fresh Figs, per lb	10 — 12
Australian Oranges, per doz	40 — 75
" Lemons, per doz	40 — 50
Tahiti Oranges, per doz	30 — 50
Lemons, Imported, do.	20 — 25
Limes, do. do.	50 — 1 00
Pine Apples, each	3 50 — 4 00
Bananas, per bunch	30 — 40
California Oranges, per dozen	30 — 50
" Lemons, "	15 25
" Limes, "	10 — 15
Strawberries	— 15
Raspberries	— 12
California Walnuts, per pound	12 — 15
Almonds, hard shell, per pound	15 — 18
do. soft shell, do.	12 — 15
Foreign Pecan Nuts	12 — 15
Madeira Nuts	15 — 20
Foreign Brazil Nuts	10 — 15
Filberts	7 — 10
Chili Walnuts	8 — 10
Pea Nuts	

Retail Price in the Vegetable Market.

The markets for this season now nearing Christmas still shows a display of *Vegetables* that is not to be excelled by any market in the world for its completeness of variety and for the excellent quality even at this period of the year.

Asparagus	0 — 8
Artichokes, (French) per doz	10 — 15
Tomatoes, per lb	3 — 5
Beets, per doz	— 25
Brocc'li, each	8 — 10
Cauliflower	6 10
Cabbage, do.	8 — 10
Carrots, per doz.	— 25
Celery do.	75 — 1 00
Celery Root per dozen	— 75
Cress, per dozen bunches	10 — 12
Cranberries, per gallon	60 — 80
Dried Herbs, per doz	30 — 40
Green Peas, per lb	5 — 6
Lettuce per doz. bunches	10 — 12
Onions per lb.	5 — 6
Horseradish, per lb	10 — 12
Okra, green, per lb	8 — 10
Okra, dried, per lb.	— 50
Choice Potatoes	1½ — 2
New Potatoes	2 — 3
Potatoes choice, per 100 lbs	1 00 — 1 25
Kidney Potatoes, per lb	2 — 3
Pumpkins	1½ — 2
Parsnips, per doz. bunches	— 15
Salsify, do. do.	15 — 20
Parsley, do. do.	40 — 60
Pickles, per gallon	6 — 8
Radishes per doz. bunches	2 — 3
Rhubarb, per lb	2 — 3
Squash, Marrowfat	2 — 3
do. Hubbard	8 — 10
Lima, Dry	5 — 6
String Beans, per lb	5 — 6
Spinage per lb	4 — 5
Salsify, per bunch	— 15
Turnips, per doz	8 — 10
Garlic	15 — 20
Eschalot	8 — 10
Mushrooms	

Fish Market.

Our *Fish market* shows a complete array of all kinds of Fish, Sea, Lake and River fish of the best type and at very reasonable rates.

Salmon ₱ lb	4 — 6
do smoked new	6 — 8
do pickled, ₱ lb	8 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Halibut	— 10
Smelts, per lb	— 10
Perch do.	— 10
Rockfish do.	— 10
Codfish, dry, per lb	— 8
Herring, fresh, per lb.	— 25
do smoked, ₱ doz	— 12
Tomcod, per lb	— 10
Sardines, fresh, per lb	15 — 20
Soleñsh, per lb	— 25
Mackerel pickled, each	8 — 10
Shrimps, per lb	12 — 15
Flounders do.	15 — 20
Sea Bass do.	20 — 25
Halibut do.	2 — 4
Sturgeon do.	25 — 30
Turbut do.	2 50 — 3 00
Terrapin, ₱ doz	— 2 50
Pompono do.	— 25
King Fish do.	12 — 15
Anchovies do.	2 00 — 2 50
Frogs, per doz	

Shell Fish.

Our *Shell Fish market* is most admirably supplied, the stand of C. Mayes at California Market has the best in our State, a complete array of all kinds.

Oysters ₱ 100 choice	60 — 75
Chesapeake oysters per dozen	50 — 75
Crab Fish, per lb	12 — 15
Clams per 100	— 50
Mussels do	— 25
Crabs, boiled, each	— 50
do. soft, per doz	

Retail Meat Market.

The *Retail meat markets* are most admirably supplied with the choicest cuts, and all are supplied at low prices:

Porter House	15 — 15
Porter House, extra	15 — 20
Beef, tenderloin, per lb	15 — 18
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	5 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	8 — 10
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	6 — 8
Beef tongues, each	— 75
Pigs tongues, each	— 15
Bacon, California, salt per lb	13 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	13 — 15
Choice hams, Duffield	15 — 18
Whitaker, St. Louis, Mo.	15 — 16

Poultry and Game Market.

The *Poultry Market* has been well supplied and prices de-clined to some extent, many articles of daley produce have been parceled out to the trade.

The *Game market* has been fully stocked and prices rule low down.

RETAIL PRICES.

Ducks tame each	75 — 90
Geese tame, per pair	2 00 — 2 50
Broilers	40 — 50
Large Chickens, each	75 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	22 — 25
Pigeons, domestic, per doz	4 00 — 4 50
Quail, per doz	1 50 — 2 00
Hares each	25 — 38
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Venison	10 — 12

Poultry and Game—Wholesale.

Broilers, per doz	3 00 — 4 00
Large Chickens, per doz	5 00 — 6 50
Hens, per doz	6 00 — 7 50
Turkeys, dressed, per lb	18 — 22
Ducks, tame, per doz	5 50 — 7 00
Quail, pr. doz	1 00 — 1 50
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	2 50 — 3 50
Rabbits, tame, per doz	1 50 — 1 75
Squirrels, per doz	75 1 00
Venison	5 8

Retail Dairy Market.

The *Dairy market* has declined in price, with a goodly re-ceipt of dairy produce of all kinds.

Eggs have arrived freely and prices have declined. *Cheese* of choice quality is wanted at full rates.

Butter, California, Extra Choice per lb	40 — 50
do. do. for (Cooking) do.	20 — 30
do. do. packed best roll	25 — 30
do do. Eastern	20 25
California Eggs, per doz	40 — 50
Oregon	25 — 30
Duck Eggs, do.	30 — 35
Cheese per lb	15 — 20
do. Sage, per lb	25 — 40
Eastern Cheese, do.	25 — 30
Lard, California, per lb	10 — 18
Lard, Eastern, do.	— 18
Honey, Comb	15 — 18
do. Strained	10 — 12
Vermont Maple Sugar, per lb	20 — 25

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb. (Fresh)	35 40
do. Packed Roll, do.	20 — 22
Eastern Butter	16 — 20
Cheese, California, per lb	10 — 13
California Eggs, per doz	35 40
Eastern Eggs, per doz	18— 20
Duck Eggs, " "	30 — 32
Lard, per lb., in tins	12½— 14
Eastern Lard, per lb., in tins	13 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging Market* is a quiet one, the heavy sale season is over and all estimates for trade are now based upon the next opening season.

The advance on raw material abroad and the rise in freights to this port has saved the combinations in bags from a heavy loss, the price now is 10 to 10½ for present or future delivery.

There will be a good stock of Bags for the combination to carry over, but the vast area planted this season to grain for '80, will make a great demand for bags, and holders will "save their bacon."

Hand Sewed Bags, Standard, 22x36 com. prices	10½ — 11½cts.
Second Hand, Extra	9 — 9½ do
Machine Sewed, 22x36	8½ — 9 do
do. do 20x36	— 8½ do
Barley Bags, 22 x 40	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— 8½ do
Wool-sacks, new	45 — 50 do
do. second hand	30 — 40 do
Potatoe Gunnies, Double Sewed	14 — 15 do
do. do. Second Hand	10 — 10½ do
Flour Bags, quarters	4½ — 5 do
do. halfs, fine qualities	7 — 9 do

Staple Home Products.

Our *Home Products* are every year showing more and more how rapidly we are preparing to be an independent State, independent for many of the products we formerly im-ported.

California now exports raisins, nuts of many kinds, fresh and preserved fruits in large quantities, and in a brief time oranges, lemons, limes, and many other articles will be ex-ported from California, returning a large revenue to our State.

Flax Seed, per lb	2½— 3
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	3 — 3½
Castor Oil No 1 Diamond in cases, per gallon	— 1 00
" " " barrels "	— 90
Castor Oil, No. 2 Diamond in cases per gallon	— 85
" " barrels "	— 80
Linseed Oil, Boiled	— 88
do. Raw	— 85
Cocoa Oil	5 — 6
Hops, California	25 — 33
Hops, new	10 — 12½
Alfalfa	5 — 10
Mustard Seed	4 — 5
English do.	2½ — 3½
Canary Seed	8 — 10
Coriander Seed	5 — 6
Broom Corn	23 — 25
Bees Wax	

California Leather Market Report.

The *Markets* for *Hides, Leather* and *Tallow* are all on the upper grade, in fact, prices all on the "Boom," as the ex-port demand keeps our markets well cleared, prices of all these products are well up.

California Sole Leather	22 — 28
do. Harness do.	28 — 30
do. Skirtings,	30 — 37½
Bridle Leather	4½ — 04
Rough do. Oak Tanned	18 — 22
Waxed Calf Skins	50 — 1 00
do. Kips do. per dozen	30 00 — 55 00
do. Leather per foot	13 — 15½

Wool, Tallow, Hides, Etc.

The *Wool market* is now very well cleared out, what wool there is in the State is held on speculation by two or three parties, held of course for an advance, the whole stock in the State is not more than 2,000,000 lbs., with prices up and firm, varying from 16 to 30c.

The prospects of a new and splendid Woolen Mill under the auspices and management of Donald MacLennan, Esq., the pioneer wool manufacturer of this Coast, will give a good impetus to the Wool Interest of our State, Mr. Mac-Lennan has done much for this interest, and we wish him great success in his new Mills, let all his friends lift him on and up in his new Enterprise.

Wool, Spring Clip	20 — 22
do. Choice Extra	25 — 28
Fall Clip	16 — 18
Oregon Wool, per lb	25 — 28
Eastern Oregon	17 — 20
Medium, bright	16 — 20
do. Burry	12 — 15
Goats' Wool (mohair)	30 — 75
Dry Hides, per lb	18 — 19
Green Salted, per lb	8 — 9
Deer Skins	60 — 1 00
Sheep Skins, wool on	25 — 75
do do plain per dozen	1 50 — 3 00
Goat Skins, each	50 — 1 00
Tallow various grades	½ — 5½
Tallow, refined	7 — 8

Average Slaughtering Prices.

The *Wholesale Meat Market* rules very low, while all kinds of meats are of the very best quality.

Beef, American, 1st. quality	5 — 6 cts
do. do. 2d. do.	3 — 4 do.
do. do 3d. do.	3½ — 4 do.
do. do	5 — 7 do
Veal	25 — 4 do
Mutton	4 — 6 do
Lamb	3 — 3½do.
Pork, Undressed	4 — 5 do.
do. Dressed	

PACIFIC MAIL STEAMSHIP CO.

FIRST-CLASS STEAMERS WITH UNEQUALED AC-commodations for Passengers will leave San Francisco

For YOKOHAMA and HONG KONG on 1st of every month.

For SYDNEY and AUCKLAND via HONOLULU October 27th, and every fourth week thereafter.

For NEW YORK via PANAMA, CENTRAL AMERICAN, MEXICAN and SOUTH AMERICAN ports, also, HAVANA and all WEST INDIES ports on 5th and 19th of each month.

For VICTORIA, B. C., PUGET SOUND PORTS and PORT-LAND, Oregon, on 10th, 20th and 30th of each month.

WILLIAMS, BLANCHARD & CO., Agents,

Cor. FIRST and BRANNAN STREETS.

47:5

Sydney International Exhibition.

ROUND THE WORLD TICKETS.

THE PACIFIC MAIL STEAMSHIP COMP'Y

Will issue **Round the World Tickets.** giving first-class accommodations for the entire route, at the low price of $650. For particulars apply to

WILLIAMS, BLANCHARD & CO.,

General Agents,

Corner First and Brannan Streets.

49:15

$3 Printing Press

Prints cards labels &c. (Self-Inker $5) 18 larger sizes for business or pleasure, young or old. Do your own advertising and printing. Catalogue of presses, type, cards, &c., for 3 stamps. Meloy & Co. Meriden, Conn.

49:20 3t

C. P. R. R.

COMMENCING

SUNDAY, JUNE 6th, 1875,

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento, making close connections at Napa with Stages for Sonoma. (Arrive 8:55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 5:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broad way Wharf), connecting at Vallejo with trains for Ca-listoga and Sacramento, and at Napa with stages for Sonoma. (Arrive 8:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Train, via Oak land, stopping at all Way Stations. (Arrive 9:25 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Sumner, Caliente and Los Angeles Also at Niles with Train arriving at San Jose 6:55 P. M. (Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River Taking the Overland Third Class Passen-gers to connect with Train leaving Sacramento at 9:00 A. M., daily. (Arrive 8:00 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND.

"Daily"—7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M., 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00, 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.

"Daily, except Sundays"—3:10 A. M. and 11:45 P. M.

"Sundays only"—10:30 and 11:30 A. M.; 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4:00 5:00 6:00 and 10:30 P. M.

"Sundays only"—11:00 A. M., and 1:30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays" 7:00, 9:00 and 10:00 A. M.; 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—7:30, 8:30 and 9:30 A. M.; 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—8:30, 11:00 A. M. and 11:45 P. M.

"Sundays only"—10:30, 11:30 A. M. and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 and 10:10 P. M.

"Daily, except Sundays" 5:10 and 5:50.

"Sundays only"—11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:03 and 8:00 A. M.; 3:00, 3:55, 5:00, 6:06 and 7:00 P. M.

"Daily, except Sundays"—5:00, 5:40, 11:30, A. M., and 1:50 P. M.

"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—6:55, 8:00 and 11:05 A. M., 3:50 and 6:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M.; 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:20, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays"—5:20 A. M. and 1:50 P. M.

"Sundays only"—10:20 and 11:20 A. M.; 12:20, 1:20 and 1:35 P. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

SUMMER ARRANGEMENT.

Commencing Monday, April 21, 1879,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows.

8.20 A. M., *Daily* for San Jose and Way Stations. Stages for Pescadero (via San Mateo) con-nect with this train only

9.30 A. M. *Sundays only* for San Jose and Way Sta-tions. Returning, leaves San Jose at 6 P. M.

10.40 A. M. *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Salinas, Soledad, and all Way Stations. AT PAJARO the SANTA CRUZ, R. R. connects with this train for Aptos, Soquel and Santa Cruz. At Salinas the M. & S. V. R. R. connects with this train for Monterey. Stage connections made with this train. (Pescadero Stages via Sanlateo excepted.)

Parlor Car Attached to this Train.

(SEATS AT REDUCED RATES.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, Pajaro, Hollister, Tres Pinos and principal Way Sta-tions.

SPECIAL NOTICE—The trains of the Santa Cruz R. R. and the M. & S. V. R. R., which have been connecting with this train on Saturdays at Pajaro and Salinas respectively, have been withdrawn for the season. Those intending to visit Aptos, Soquel, Santa Cruz or Monterey, will take the train leaving San Francisco at 10:40 A. M., daily

3.30 P. M. *Sundays only* for San Jose and Way Stations.

4.25 P. M. *Daily Sundays excepted* for San Jose and Way Stations.

5.00 P. M. *Daily Sundays excepted* for Menlo Park and Way Stations.

6.30 P. M. *Daily* for Menlo Park and Way Stations.

Excursion Tickets at Reduced Rates

To San Jose and intermediate points, sold on Saturdays, and Sunday morning, good for return until following Monday inclusive, as follows:

Baden	$0.50	Fair Oaks	$1.50
San Bruno	0.80	Menly Park	1 60
Millbra	0.85	Mayfield	1.75
Oak Grove	0 90	Mountain View	2.00
San Mateo	1.10	Lawrences	2.25
Belmont	1.25	Santa Clara	2.50
Redwood	1.40	San Jose	2.50

Also, EXCURSION TICKETS to Aptos, Soquel, Santa Cruz and Monterey, sold on Saturdays only—good for return until the following Monday inclusive.

SECOND-CLASS FARE.

Between San Francisco and San Jose, - - $1.00

On Freight Trains only, leaving San Francisco at 4:00 A. M., and San Jose at 8:30 P. M. (daily Sundays excepted).

Principal Ticket Office—Passenger Depot, Townsend Street, Branch Ticket Office—No. 2 Montgomery Street, Palace Hotel.

A. C. BASSETT, Superintendent. H. E. JUDAH, Ass't Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 42 00 P. M. daily, and making close con-nection at GOSHEN for Sumner, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton, Colorado River, YUMA and CASA GRANDE. (182 miles east from Yuma.)

Will it Bite?

Try and See!. 10 cents and stamp fetches the "Critter." It will make you laugh. Remember it is only 10 cents, and stamp. Box 409, Sandwich, Illinois, Mention this paper. 49:18

1854. 1879.

THE

CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FIFTH year with 1878, and is the oldest and only exclusive AGRI-CULTURAL JOURNAL devoted to this cause on the Pacific Coast

The California Farmer

Established in 1854, has been the PIONEER HERALD of the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on the Coast—this was at Sacramento in the year of 1852, and also the GRAND FAIR at San Francisco in 1858—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

THE CALIFORNIA FARMER was the first and only advo-cate of SILK CULTURE, TEA CULTURE, COFFEE CUL-TURE, COTTON CULTURE, and the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS, and this was in early years when the masses lightly esteemed all such enterprises.

THE CALIFORNIA FARMER was the FIRST and only advocate for the planting of the ALFALFA as a forage plant, and the first to introduce the seed and its culture, and not only this grass, but all other valuable grains and forage plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STONING WHEAT, of SUMMER FALLOW, of SUBSOILING, and of DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL—doctrines that have now, after long years of trial become the basis of true and successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE OF AGRICULTURE, which such years of labor merit, as JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCI-ENCE, and claims their voluntary and generous co-operation in this work.

The TERMS OF THE CALIFORNIA FARMER being placed at a low price, should induce, as we trust it will, a generous addition to our LIST OF SUBSCRIBERS for the year of 1879.

Desirous of placing this old PIONEER AGRICULTURAL JOURNAL, (The only exclusive AGRICULTURAL JOURNAL of the Pacific Coast), before the people at so low a rate that all can have it, we make the following

Terms for the Year 1879.

And With Seed Premiums.

Single Copies,	$1 00
Six Copies,	5 00
Ten Copies,	8 00
Twenty Copies,	15 00
Fifty Copies,	35 00

CITY SUBSCRIBERS

Will have their Papers Delivered at their Residence or Post Office Box, as they may desire.

California Farmer.

1879.

OUR NEW CLUBBING LIST.

We propose for the year of 1879 to offer to our Patrons the following valuable JOURNALS in connection with our own, all at reduced rates, so as to give them the best works at low rate—(all postpaid). Price per year.

The FARMER and VICK'S MONTHLY MAGAZINE	$1 75
The FARMER and AMERICAN AGRICULTURIST	2 00
The FARMER and POULTRY JOURNAL	1 75
The FARMER and RURAL NEW-YORKER	3 00
The FARMER and PHRENOLOGICAL JOURNAL	2 00
The FARMER and AMERICAN BEE MAGAZINE	1 75
The FARMER and SCIENTIFIC AMERICAN	3 00
The FARMER and HARPER'S MONTHLY	4 00
The FARMER and HARPER'S WEEKLY	4 00
The FARMER and HARPER'S BAZAR	4 00
The FARMER and HARPER'S THREE WORKS	5 00

WARREN & CO.

EDITORS AND PROPRIETORS,

320 CLAY ST.

SAN FRANCISCO.

BOOK OF POLITENESS

and list of 1500 pieces of new sheet music, full size of print, 10 cents, postpaid. J. HEISLEY, Freehold N. J.

CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, JANUARY 8, 1880. NO. 21.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

No. 320 Clay St., (up Stairs) Below Battery,

SAN FRANCISCO.

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CHARLES CONNELL, Esq., News Agency, Paris.
BRYDON & CO., England, Australia.
WM. H. FLETCHER, Melbourne, Victoria, Australia, who is authorized to receive Subscriptions and take advertisements.
DAVID CLARKE, Chemist, Warwick, Queensland.

TERMS OF PAYMENT.

☞ Advertisements and Subscriptions are all payable in Advance.

☞ Our full ADVERTISING RATES will be found on the SEVENTH PAGE.

All Letters on Editorial Matters to be addressed to COL. WARREN, EDITOR.

☞ All Letters on Business connected with the Office should be addressed to

WARREN & CO., Publishers.

THE SPRING OF 1880.

[The name of James Vick, the well known and justly honored Florist of Rochester, N. Y. will live as long as bright blossoms deck the earth, and his memory will be cherished as long as the flowers shed their perfume to cheer, bless, and reward every cultivators of these gems of the earth.

VICK'S ILLUSTRATED GUIDE for 1880 for January quarter has just been sent forth and the words of the gifted Author himself, who speaks of labors for now more than *twenty five years*, are so appropriate at this season, and contains much truthful instructions, that we take great pleasure in giving his own dedicatory and his opening words for the year, and we hope every reader who is not already a subscriber to his beautiful Illustrated work will become so.] ED. FARMER.

For a quarter of a century my Floral Guide has made its annual visits to hundred of thousands of people. It is found in almost every house from the Atlantic to the Pacific,—on the rugged, rocky eastern coast, on the fertile prairies, and among the mountains and canyons of the Pacific coast. I have tried to make it beautiful, as any thing that treats of flowers should be, and eminently instructive, teaching how to sow and how to cultivate in the simplest possible terms, so that no one need lack for knowledge. Very many of my readers are quite inexperienced in flower culture and so I have endeavored to furnish such information as, if heeded, would make success possible if not certain. Success is pleasant in any undertaking, but in the culture of flowers is simply delightful, and I am so anxious that my customers should succeed that I furnish them the best seeds in the world, and a world of information regarding their culture.

With the best of management, and with good seeds, however, there will be an occasional and unaccountable failure.

The best of gardeners sometimes fail, and try again with the same seeds and succeed. So it is not best to worry or blame either the seeds or ourselves at any occasional defeat. A little difficulty in its attainment sweetens success, and of this sweetness cultivators generally have a full share, for they often have to contend with unfavorable weather, insect enemies and a host of other adverse circumstances. When men can be assured of their three score years and ten, then can we guarantee that all good seeds put into the ground will grow. The following facts I have given before, but am unable to prove them.

Whipped Them Out.

From the days of '49 until a few late years California and all the Pacific Coast imported all, or nearly all, the *whips* of almost every kind used; now we need *import* none, for we have better whips from home manufacture than any that can be imported.

Messrs. Main & Winchester, large manufacturers of whips, now enjoy the reputation of making the finest and most elegantly finished whips that the world can produce; in fact, so celebrated have they become that whips need not to be imported, as Main & Winchesters' manufactures have virtually *whipped all other makers out of the markets.*

OUR FARMERS. THE HOPE OF OUR COUNTRY.

FARMING IN ITS VARIETIES. WHAT IT SHOWS!

SERMONS OF THE SNOW.

[Our season here in California has been as severe as some winters that our northern and eastern friends enjoy.

We have all kinds of weather but the snow, and as we have been expecting to see snow, and have a good sleigh-ride also, and hope to yet before our winter is over. We have selected what we esteem as a Gem in the Sermons of the Snow, which we give below.] ED. FARMER.

With the softness of silence, unceasing though slow,
In the low, leaden light comes the crystalline Snow,
So untiring it seems, so impartial withal,
And so chastening to all that it touched in its fall.
It appears as if dropped by the Father's kind hand
As a mantle of charity over the land!
While its thick-woven web hides the Giver on high,
Every stain on the earth is concealed from the eye;
And so bounteous the benison to mortals below,
From the earth to the sky there seems nothing but snow
Since the sweet boon of Charity, never alone,
But in multiplied blessings is dropped from the throne.
So the snow that to-day robes the earth in the pride
Of a blooming young maiden arranged as a bride,
Will to-morrow be torn by the boreal blast;
Will be worn by the wanton south wind, wooing past;
And its beauty be lost and its whiteness undone,
By the light, loving smile, and warm kiss of the sun,
Then, resolved into tears—as the new life is found—
It will faithfully serve the great need of the ground,
And at length, in the rounds of the fleet-footed hours,
Comes to bless us again in the birth of the flowers!

MERCANTILE CHANGES.

New Year marks many changes of old Mercantile Firms, and removal of Merchants from old business stands of long and busy years, to the more central business marts of our growing city.

The old noted business streets, Washington Clay, Sacramento, Front, and Davis, are loosing many of the Old Standbys, who all seem to settle along on *California* and *Market Streets*, now the central point of many of the heaviest merchants of our city. These changes seriously affect the value of "Real Estate" in what is called the deserted section, and where once was a busy mart, but now the ominous words, To Let, To Let, tells the story.

RAINS, SNOW, and FLOODS.

The usual warnings that nature gives have come to all this season early that those who live on *low lands*, and on the *banks of the rivers* may prepare for the coming time, when with our heavy *Spring rain*, added to the immense bodies of snow that this year have and will gather upon the Sierras shall come down upon the plains below, in their united power. Such a torrent and body of water as was never known before. A little reflection should teach all *to be prepared*, for the waters will come like an avalanche.

RURAL SCENERY. WHAT IT IS.

What we realize to-day in the home life of the industrious man of America; in their methods and in their relations to each other; in their independence, thrift, culture and intelligence, is so different from that of forty years ago that to close our eyes and strive to recall the past and then open them upon the present, it is like waking from a Rip Van Winkle slumber.

Thus, then and now, are connected with a chain of industrial events, too long to be catalogued, that have brought to the working people of this country elements of power and prosperity which they have not been slow to mould for their own use.

Then it was common to talk of the dignity of labor—to preach that it was honorable, as if it were doubted; and it was doubted then.

The dignity of labor depends upon the accomplishments of the laborers.

Labor does not necessarily dignify any one; but it is always honorable if honorably performed with an honest purpose.

Upon the man depends the dignity and honor of the work he does.

Agriculture, to-day is more honored because agriculturists are more intelligent, cultivated and better business men than they were even twenty years ago.

Contrast the conditions of American Agriculturists, their homes and home comforts with those of other countries—even England with her more exact, complete thorough agricultural system, is not far, if any, in advance of us in the average intelligence and accomplishments of her agricultural population.

Life to-day in the Rural Homes and on American Farms *means*, and is more to our people than ever before.

Culture and refinement are rapidly taking the place of ignorance and boorishness—our school systems and the cosmopolitan character of our life innovates upon the old time traditions and habits and break upon the trammels which, within our memory bound men down to a plodding, dreary and almost hopeless life of toil.

There are brighter homes and happier faces in the country to-day—social life has assumed new phases and we begin to see the dawn of what is to be in the future—a higher and better type for the American Farmer.

On this page we present a picture full of interest and thrift, filling the mind with thoughts and recollections of life—the enjoyments realized and the comforts of an American Home.

THE LEGISLATURE OF 1880.

The New Year opens upon our Citizens with a New Constitution, and a New Reform in many of the Institutions of our State which are soon to be put into pratical operations, a little time only is needed to test there adaptability to the real want and the necessities of our people.

With a State like ours, with a climate unsurpassed by any spot on earth, with a rich soil, capable of a much greater developement than has ever yet been properly tested, and with productions of every variety almost, that can be grown in any part of the world. It is to be hoped that the incoming Legislature will give that attention and consideration to the cause and varied interests of agriculture, that this vast interest justly demands at the hands of those who stand in our Halls of Legislation as the makers of our laws and the Guardians of the people, in truth, as the Parental watchmen of the citizens of our State.

Amid the great trials of a political convass through which our people have lately passed, we think that we can congratulate our Citizens in selecting and electing so intelligent and able a body of men to rule our State, and if every Senator and Representative is not the man of our own choice, we believe they are as able and good men as any other State can boast of, and we have faith to believe that the needed work of the State will be speedily and well done, and when the Legislature shall close its labors, the people will say, "Well done, good and faithful servants of the people."

As the "Good Book" teaches us all to "Obey Magistrates," tendering them all the aid in our power, tendering them our respects, also so we hail them all with a New, Happy and Prosperous Year for the Legislators of California.

Chicago Grain Bubble.

There has been a scheme under way for a "Grain Corner" to gobble up all the *wheat* and force it up to wicked starvation prices. Our *private advices* are, that the Grain Syndicate as they are called, think they can control the Markets of the whole country, and although they have their millions and tens of millions at command, and would throw out their arms and feelers as does the *Polypus*, to suck blood and life out of the hungry—there is one thing we know, that *mighty scheme* that has been controlled by a purse of *Twenty Million Dollars*, and have fixed the quantity of wheat that they will control at *Twenty Million Bushels*, is near its end. It will be like the "Frog in the Fable," it will burst by too hard a strain on its self constituted power—then, stand from under!

WILLIAMS, BLANCHARD & CO.

The New Year with its many changes has changed the name of this Old and Honored Mercantile and Shipping House of long, long years standing, and as will be perceived by their card and their shipping and mercantile business in our columns, from the old firm name, to that of

WILLIAMS, DIMOND & CO.

By this changed name it will be known hereafter world wide. The Splendid Steamers that sweep over the ocean to the far off lands, from whence come our Teas, Silks, Rice, and India's rich products, to Australia, where Coal, Wine, Wool and Fruit is found in abundance, and to the Countries in all Mexico and Central America for the wealth of these countries, and on to the great city of New York: The splendid ships of the Pacific Mail Steamship Line bearing the Pennon that heralds the names of WILLIAMS, DIMOND & Co., will be universally known and honored, with a *diamond* lustre.

There is no Mercantile firm in our City who have done more, nor as much to promote the trade and intercourse between the distant portions of our own country, and of far off lands, as the old firm of WILLIAMS, BLANCHARD & Co., to whom an honorable share of praise is due. And no one merchant has been more earnest, untiring and faithful than H. B. WILLIAMS, Esq., the present active agent of the Pacific Mail Steam Ship Company, whose labors have added millions of wealth to our own City, State, and the whole Pacific Coast.

"Honor and Fame from no conditions rise,
Act well your part, there all the Honor Lies."

This true adage can with truth be applied to this firm who nobly have acted their part for the upbuilding of our fair "Golden Land," and for this reason would we in our humble sphere pay this just tribute of praise.

Large Sale of Wheat.

We were informed by Dr. H. H. Toland of the sale of his fine crop of Club Wheat recently of *twenty-five thousand sacks*, for which he received $1.07½ and receives the nice little sum of over SIXTY THOUSAND DOLLARS.

Dr. Toland always raises the most select quality of wheat and always obtains the very *top of the market*—because he cultivates well, that is the way to farm—Dr. Tolands last sale was 75,000 sacks, at the top of the market.

"Agriculture, the soul, the basis of my empire."—*Napoleon.*

Agriculture.

Plow deep, while sluggards sleep,
And you shall have grain to sell and to keep.

NATIONAL AGRICULTURAL SOCIETY.

The recent Agricultural Convention held in New York to organize a National Agricultural Society, was one of the most important conventions held in this country for many years, being composed of men high in the science of Agriculture, men of wealth and influence, and having the good of this great interest at heart.

The Convention was held on the 10th this month, to last three days, and was most numerously attended by the best men of our country.

Just as we go to press we have reports of this great gathering, of which we shall give full detail at an early day.

We acknowledge the reception of a courteous card of invitation to be present and take part in the organization, and return thanks for same.

ECONOMIC USE OF THE HOP-PLANT

Dr. Emil Pott calls attention to the many useful purposes for which various parts of the hop-plant may be applied over and above the mere production of the umbels employed in brewing, to which alone the growers' care appears to be given at the present time. To begin with, the tendrils furnish a good vegetable wax, and a juice from which a reddish-brown colouring matter can be extracted; further, their ashes are greatly valued in the manufacture of certain Bohemian-glass wares. Of still greater importance is the fact that a pulp for paper-making can be prepared from them, and though the goods thus manufactured cannot be satisfactorily bleached, very serviceable unbleached paper and cardboards are got from this raw material. The fibres can also be used in the manufacture of textile fabrics. Experiments in this direction extend to a far back date, and in Sweden yarn and linen making from hop fibres has long been an established branch of industry which is constantly increasing in importance and extent. The separation of the fibres has heretofore presented considerable difficulties, but these appear to be effectually overcome by the process recently devised by Dr. Weiss, of Nentomischel, of steeping them for twenty-four hours in cold water containing 5 per cent. of sulphuric acid, or for 20 minutes in boiling water to which 3 per. cent of the acid has been added. Other mineral acids, such, for instance, as muriatic, may be similarly employed. Nordlinger, of Stuttgart, also has patented a plan of rendering the fibres very flexible and tractable. This he effects by boiling them in closed vessels with soap and soda, and after thorough washing, treating them with diluted acetic acid, and then again washing in cold water. Another use to which hop twigs is that of basket and wickwork. Lastly, it must not be forgotten that the young shoots from a very palatable vegetable, not inferior to asparagus in delicacy of flavor while the leaves, and the spent hops themselves supply an excellent food for live stock generally, and especially for sheep. Dr. Pott contends that by due recognition of some or all of these numerous virtues of the plant, growers can always repay the cost of cultivation without reference to the hop itself, which of course will remain the chief object in view, and can render themselves more independent of the great fluctuations in the price of the latter to which they are at present subjected.

The Black Wattle Tree.

Some months ago we published a full account of this tree and its value, on account of the intrinsic worth of its bark for *tanning* purposes, of which more than *Fifteen Thousand Tuns* is annually used in Australia, in fact that amount is used among the farmers of Victoria alone.

We notice that the Agricultural Department at Washington has just called attention to this tree, and if the tanners of this State will heed their own interest they can plant 500 or 1,000 acres of the WATTLE TREE, and in a few years have their own "Tanning Bark" of best quality at a very low cost.

The number of tanneries in *Victoria* are ninety-six, that use the wattle bark, and they have need thousands of tuns, the value ranges from $25 to $35 per ton.

Much of our now mountainous lands that is not available for a general cultivation can be used for this purpose to a very great advantage and profit.

A little capital invested in the *Wattle tree* pr in the Eucalyptus will give a better return for the investment than the Bonanza Stocks, more information at this Office.

AMERICAN PRODUCTS.

The following table shows the aggregate production of the three great agricultural staples of the Southern States of America for each year since 1870:—

Year	Cotton Bales	Sugar Hhds	Tobacco lbs
1870	4,352,317	144,881	345,000,000
1871	2,974,351	124,461	320,000,000
1872	3,930,566	109,620	480,000,000
1873	4,170,388	89,468	500,000,000
1874	3,832,991	110 877	310,000,000
1875	4,669,228	144,146	522,000,000
1876	4,480,424	169,231	533,000,000
1877	4,811,426	197,753	560,000,000
1878	about 5,200,000	212,000	572,000,000

Wisely insure at the New Zealand Insurance Co.'s office, 307 California Street.

Home Correspondence.

YOSEMITE VALLEY, December 1st, 1879.

COL. WARREN—*Dear Sir:*

Your favor, of November 11th, was duly received, but I have been unable to send you a reply sooner.

The season for travel to the Yosemite is drawing to a close; during the month of November there were fifty-two arrivals, and four more to-day. Two of the hotels closed about the 20th of October, only one is now open for the reception of guests. Mrs. Leidig's House will be kept open all Winter, as she has ample accomodations for all that may come. She is the best cook, and sets the best table in the State, so Tourists say. The whole number of visitors to Yosemite for the season, up to date, is nineteen hundred regular tourists, and nine hundred campers, or those that come with private conveyances, and camp out. This is a little more than for the year 1878.

Among the visitors to the Yosemite, the past season, there has been quite a number of European Nobility, Earls, Barons, Lords, Sir Knights and Military Officials. But none more distinguished and world renowned than our own fellow citizen, Gen. U. S. Grant. His visit and reception here was very quiet, and without much parade or show, though every one strove to have the honor of taking him by the hand and rendering him such services as were in their power. Giant powder was used for firing salutes, and awakening up the echos and reverberations around the valley. Barnard's Hotel, where the General and party stopped, and several other buildings, were adorned with evergreens and banners; and the word "Welcome" was often seen as well as heard. The General seemed to enjoy his visit here very much. He said that the valley came quite up to his expectations, and that he should have to come again when not so pressed for time.

We have had one of the finest Autumns that I have ever seen here. The ground in the valley has twice been whitened with snow, but there has been much splendid weather between storms. Never before have I seen Yosemite so brilliant with the rich and gorgeous colors and tints of Autumn. All the deciduous leaves seemed to assume their bright and most facinating holiday colors, preparatory to commencing their "dance of death" in the whirling embrace of the aeolian messengers, which herald the approach of the Winter Storm King. November left us during a very heavy rain storm, which threatened us with quite a little flood here, which swelled the volume of water over the falls to their Springtime splendor. Never have I seen the Yosemite Falls so resplendent with prismatic colors as they are to day. It is only when the sun is in the south, near the winter solstice, that the rainbow hues, on the upper Yosemite Falls, can be seen from the level of the valley. Now at its full volume, the boiling, seething cauldron, at the foot of the upper falls, seems like a great fiery crater, belching forth iridescent flames and vapor, which float away in the breeze like mystic banners of glorious light.

There will be about forty persons who will stay through the winter here. Among whom there will be nine women and sixteen children. All the able-bodied men are very busy laying in a good supply of firewood and provisions, and other necessary comforts of life, preparatory for a long army freezing siege. We expect to have a weekly mail via Big Oak Flat and Groveland. Please send me a few boxes of your Eucalyptus Pills. It is possible that some medicine may be needed during the winter, and every one who has tried them knows that there is no better.

Yours sincerely. GALEN CLARKE.

Our Forest Fires.

The loss of timber to our State by fires is immense, counting by millions of dollars, added to this is a wanton and wicked waste of timber by marauders, who are trespassers upon both public and private lands.

We are glad that there is a Commission now at work to guard this interest, for it is high time this should be done, for the climate is and will be more or less affected by the thickly studded or treeless wastes that pervades our State and coast.

All the great interests of agriculture, our crops, the health of our people, and the prosperity of all are more or less now depending upon this invaluable interest, our forests of timber.

We hope our next Legislature will take active measures to protect this interest and promote the culture of forest trees in every county of our State.

American Berkshire Association.

We have just received the September number of this Association, a valuable report of proceedings with interesting reports upon various subjects connected with swine breeding, etc.

The following action of the Executive Committee should interest Californians:—

"The offering of prizes on Berkshires at the Chicago Fat Stock Show; the closing of Volume IV of the Record; the publication in the *Bulletin* of lists of the produce of cer tain sows; the publication in the *Bulletin* of the prizes won at State and County Fairs; decision regarding English-bred and imported Berkshires, that rule s 5 and 6 be impartially enforced; decision regarding certain Berkshires, owned or bred in California, that they can not be admitted to registry; letter from Capt. Walter Stewart; resolution on the death of Arthur Stewart; instructions to the Secretary."

A new textile has lately been brought to the notice of Berlin houses. It is exactly like rabbit wool; and it is only on combustion that it is found to be a vegetable fiber. The fiber under the microscope shows a different structure from any known, but somewhat approaches that of cotton. The surface is very smooth, and is adapted for imitations of silk. The shortness of the staple is, however, a great difficulty in the way of spinning. Nothing definite of its origin is yet known.

NATIONAL PROSPERITY.

"We shall have prosperity until the people forget the lessons of adversity through which they have just passed. When they begin to live without habits of economy, and spend needlessly and don't save, they will come to another reverse and stagnant times again.—*Secretary Sherman.*"

This is as true as that the sun shines, yet it is necessary to economize to the extent that all classes have, for the past five years, to insure general prosperity. The fact is that since '73, we have all been economical to the extent of niggardliness. Our clothes have been worn to rags, our houses repaired only sufficiently to render them positively habitable, the fences lack pickets and boards, and in fact, we have invited decay in our structures because we would not or could not repair.

With the returning good times we have begun to reclothe ourselves, repair fences, barns and houses, and build new structures. We have also begun to live more generously and buy articles o luxury.

In consequence, the bulk of the great army of tramps have become laborers, our manufactories are humming with active machinery and busy men—our transportation lines cannot furnish cars as fast as they are demanded to move the interior commerce of the Nation, and the wharves of our seaboards and lake cities are busy with the activities of commercial life.

Men with incomes ought to spend their money generously, not niggardly. The mechanic should supply his table with solid, substantial food in abundance, not wastefully. Wives and children should be well clothed and housed and contentment reign in every household.

Wherever each and every one spend their money according to their means, in the comforts, conveniences and luxuries of life, and do not waste in frivolities and dissipation, there is plenty on all sides and general prosperity.

Wherever more is spent than is earned and waste and dissipation is the rule, there comes wretchedness, discontent and poverty.

If this people avoid the extremes twenty years, we will become the money lending nation of the World, and New York and Chicago will be the seats of fiscal empire.

[So speaks the *Chicago Grain and Provision Review*, but why leave San Francisco out of this calculation, our City can boast of life, business and an immense capital, and its influence is felt the world over.—ED. F.

Hops to Calcutta.

We can report the shipment recently of 30,000 lbs of the best selected Hops from the Russian River region, Sacramento, and Ione Valley, those were carefully and handsomely packed in 200 lb. bales for a shipment to Calcutta, thus we are extending our borders of trade.

We noticed also a very large lot of broom corn packed in 500 lb. bales for a shipment to Australia, formerly large shipments of *ready made brooms* was the order of the day, now the machines for making the brooms are sent with workmen, and the brooms made there, a wise movement.

All these goods were most admirably packed by Anthony & Co., the well known Merchandize packers of our City.

Alfalfa on Sagebrush Land.

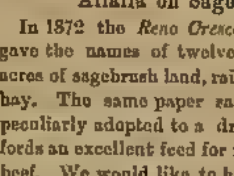
In 1872 the *Reno Crescent*, of Reno Nevada, gave the names of twelve persons who, on 625 acres of sagebrush land, raised 1,995 tons of alfalfa hay. The same paper says, the alfalfa is found peculiarly adapted to a dry gravely soil, and affords an excellent feed for milk cows as well as for beef. We would like to hear of some one trying alfalfa on some one or ten acres of the thousands that are considered worthless in Eastern Oregon.

RATS.—Mix potash with powdered meal, and throw it into the rat-holes of a cellar, and the rats will depart. If a rat or mouse gets into your pantry, stuff in its hole a rag saturated with a solution of cayenne pepper.

JUTE.—By a new process, the details of which are not yet published, it has been proved that the fibrous portion of the jute plant can be so divided and treated as to produce curtains, hangings, tablecloths and dress goods of rare excellence. Indeed, for some purposes, the article, as applied to texiles, rivals silk.

Why is a pawnbroker like a drunkard?—Because he takes the pledge, but cannot always keep it.

COOLEY CREAMER.



supersedes large and small pans for getting milk.

It requires no milk room.

It requires capacity for one milking only.

Impure air, dust or flies cannot reach milk set in it.

It makes more butter, because it raises all of the cream, and the quantity is never lessened by unfavorable weather.

It makes better butter. It requires less labor. It is cheaper.

Butter made by this process took the HIGHEST AWARD at the INTERNATIONAL DAIRY FAIR held in New York, December 1878, and at the Royal Agricultural Exhibition held in London, June 1879, and brings the highest price in all the great markets.

Send stamp for the DAIRYMAN to

VERMONT FARM MACHINE CO.,
BELLOWS FALLS VT.

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5 octave, $280 ORGAN—18 stops, 3 sets of reeds, octave coupler, and sub-bass, Patent Grand Organ and knee swell, Black walnut case with handsome mirror top, stool and book, only $81 00.

WATERS' 7 octave Rosewood Pianos with stool, cloth cover and instruction book, only $112 00. WATERS' 7¼ octave Rosewood Pianos, with stool cloth cover and instruction book, only $154 50. All my instruments new and fully warranted. Send for my illustrated catalogue. T. LEEDS WATERS, Agt., 146 & 148 William St., New York. Post-office Box 1750.

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FIRE AND MARINE,

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With Unlimited Liability of Stockholders.

Capital	$5,000,000
Capital paid up	1,000,000
Assets	1,985,055
Re-Insurance Reserve	345 339
All Other Liabilities	189,075
Surplus for Policy-holders	1,450,941
Premiums received to May 31, 1878	7,495,177
Losses Paid to Date	4,509,902
U. S. Bonds deposited in Oregon	50,000

UNDERWRITE, THROUGH THE MEDIUM OF THEIR Agents, against loss by Fire of every description, and for voyage or time on Hulls, Merchandise, Freight, etc., to and from all parts of the world, at the usual rate of premium. Claims settled and paid either in San Francisco or any of the Company's agencies.

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Liverpool Fine Salt.

IN UNIVERSAL USE THROUGHOUT THE EASTERN and Western States, and acknowledged far superior to any other brand of factory-filled salt.

Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March:

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory-filled salt; therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $13; for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams; and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"

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WILLIAMS, DIMOND & CO.,
218 CALIFORNIA STREET,
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Bag, Tent and Hose Factory

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[Removed from their old place, 113 Clay Street, to their new and enlarged accommodations.]

IMPORTERS, MANUFACTURERS, AND DEALERS IN ALL KINDS OF

Bags, Burlaps, Duck,

Canvas and Cuttons.

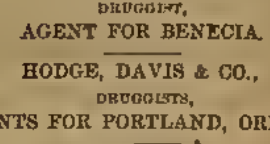
DAIRY BREEDING CALENDAR

We invite Dairymen who desire a valuable "Dairy Breeding Calendar," containing very excellent items of great value to them, to call and examine the article named above—it is of but little expenses, yet of great value.

CALIFORNIA FARMER OFFICE.

The Great Medicine!!

THE GREAT MEDICINE
CLARKE'S
COMPOUND CONCENTRATED FLUID
EXTRACT OF EUCALYPTUS
(AUSTRALIAN GUM TREE)



INTERNALLY.—Dose Thirty to Sixty drops on lump sugar.
EXTERNALLY.—Use as a Liniment.
FOR DIRECTIONS SEE WRAPPER.
SOLE MANUFACTURER
DAVID CLARKE, CHEMIST,
WARWICK.
To prevent fraud, each genuine bottle is signed.
Price 2s. 6d. Davidblarke

We have appointed for the sale of this Medicine advertised in our columns the following

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APOTHECARY AND DRUGGIST,
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The Remarkable Cures which have been effected by the Wonderful Remedials, known as CLARKE'S EUCALYPTUS REMEDIES from Australia, have, and are exciting a great influence among all those who have long been sufferers by those terrible sources of suffering, RHEUMATISM, NEURALGIA, DYSPEPSIA, and FEVER AND AGUE.

These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.

Be sure you ask your Apothecary for the true Medicine, DAVID CLARKE'S EUCALYPTUS PREPARATIONS. The only Genuine article.

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SOLE AGENTS FOR THE UNITED STATES.

NEW TOOTH POWDER!

The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath.

DAVID CLARKE'S
Eucalyptus Tooth Powder.

The BEST EVER COMPOUNDED and destined to supersede all others.

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50 FINE MIXED CARDS, with name, 10c. Agents wanted Outfits 10c. Mention this paper, and address, JOHN MACKENZIE, Sandwich, Ill. 47 16

Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

VARIETIES IN PLANTS.

Some questions have been asked me that I am not sure of answering correctly. May I, therefore, seek aid from you?

1. A flower becomes double, we say, by changing its essential organs into petals. If cultivation does this, how? What is the philosophy of it?

2. In a double flower, if all the stamens are changed, how is fertilization accomplished? Are there a few stamens unchanged, or is it done by single flowers?

3. Are new varieties produced by putting the pollen from one upon the other?

4. In grafting, while the fruit partakes mainly of the graft, does not the stock have some little influence upon it?

5. Why will not the seed of an Apple, if planted, come up of the same variety?

I am unable to find any other authority than "they say" on the matter, and will be very grateful if you will inform me.—*A. C. P., Dansville, N. Y.*

The underlying principal involved in the solution of most of these questions is that of variation in species. To illustrate the subject, let us take the Lily. We have the common White Lily, *L. candidum*; Gold-banded Lily, *L. auratum* and the Lance-leaved Lily, or *L. lancifolium*, as it is called, but properly, *L. speciosum*, and many other kinds. The distinction of these kinds is very clear, and we do not hesitate to decide what each kind is the moment our eye falls upon a specimen. These kinds are termed species, and, as before remarked, there is no failure to recognize their individuality. But, if we will examine any number of plants of the Gold-banded Lily, or of any other kind, we shall find certain peculiarities pertaining to each individual, by which it differs from all the other individuals of the species. The peculiarities to which we refer may relate to the general habit of growth, to some slight change in the form of foliage, to the time of opening the buds in the Spring, or of covering or maturing the seed, or even to the color of the flowers, or numberless other slight variations. As in the human race, or the lower animals, the peculiarities of an individual may be transmitted to his posterity, so in plants a marked feature peculiar to a single plant may be reproduced in some of the progeny of this plant, and if we select out the plants that shows this feature most strongly, we shall find in the seedlings from this plant a stronger tendency to development in this particular direction, whatever that may be. By continually selecting and rearing seedlings with this object in view, in time we fix the peculiarity, and a large proportion of the seedlings exhibit it. When this stage is reached, we consider that a new variety has been developed. In the case of the Lance-leaved Lilies, we have several varieties produced from the same species; there is *rubrum* and *album* and *punctatum*, and within a very few years a new white one has been brought into the grade, differing from the other white one, *album*, in having midveins of its petals a clear white, instead of a very rosy tint, as in *album*. The process of developing and fixing a variety may be hastened by by judiciously fertilizing the flowers of one plant with the pollen of another, both of which exhibit the feature we wish to transmit.

1. Applying the principles we have thus briefly stated, in answer to the first question, we would say, that finding a tendency in a plant to develop double flowers, we continually select the seed from those that show the flowers most completely doubled, or transformed. In many double flowers the additional petals are due, not only to transformation of stamens and pistils but, to an unusual capacity of the receptacle for their production.

2. If all the stamens of a flower should be performed, the fertilization of that flower could only be performed by the pollen of another.

3. Cross-fertilization is effected by the pollen of a flower of one plant being introduced to the stigma of a flower of another plant,

4. It is a question that has often been discussed, and there are some facts showing the stock in some cases to have a preceptible influence on the produce of the graft, but we know of no reliable experiments that have ever been conducted to throw light on the subject. One thing is certain, the difference between the stock and the graft must be very wide to produce any apppreciable effect.

5. As it is a settled fact that all seedlings differ, and what the variations in Apples, which we consider valuble, and mark the varieties, are the distinctions, it follows that it is an impossibility for an Apple, or other fruit, to exactly reproduce itself.

A New Cherry.

It is noted in the *Journal d'Agriculture* of March 13th, that a superior Cherry comparatively unknown generally is cultivated on the shores of the Lake of Constance, and notably obtained in Basel as well at other places, and is called the "*Basler*" Cherry.

It is distinguished for the firm flesh, largesize and small stones; it is also noted for its superior, traveling qualities—being a late bloomer a plentiful crop is usually the result, and ripening after all table cherries are over it is esteemed quite an acquisition.

TO INVENTORS AND MECHANICS.

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WINES OF PORTUGAL.

The Director-General of Commerce and Industry, in a notice on Portugese wines, calculates the average annual production in Continental Portugal as 4,000,000 hectolitres—a quantity which is probably considerably understated. Of this he considers that rather less than 3,000,000 hectolitres are consumed in the country at the rate of 72 litres per inhabitant; that rather more than 500,000 hectolitres are turned into vinegar or distilled. Of the above total of 4,000,000 hectolitres, 1,550,000 are produced in the provinces of Estremadura, Almetjo, and Algarve. Estremadura, in which the capital is situated, has a superficial area of 1,795,786 hectares, with a population of 836,475 inhabitants. The average annual production is 1,050,000 hectolitres. The wines of this province are held in great estimation, and are remarkable for their variety. Throughout all wine-growing countries almost every parish produces its special wine; but of 93 wines selected as types or Portuguese production for the Paris Universal Exhibition of 178, no less than 25 came from Estremadura alone. It is these wines naturally which supply the consumption of the capital. Naming these thus employed, the favourites are, Cartaxo, a strong, rough, red wine, much drunk in Lisbon, and exported in considerable quantities to the Portuguese colonies, Torres, a wine something similar to the last character; Collares, which may fairly be called Portuguese claret, is a wine of some delicacy of flavour, and is probably susceptible of improvement; and Bucellas, a light, agreeable wine of the hock character, which has long been favourable known in the English market. Other wines of local celebrity, many of which possess real merit—though, as a rule, the processes of vinification are still but imperfectly understood or followed, in regard to the majority of Portuguese wines—are Lavradio, Carcavellos, Termo, (white and red Lisbon), and Thomar.

The province of Alemtejo, with a superficial area of 2,441,077 hectares, has only a population 336,170 inhabitants, and produces annually about 4000,000 hectolitres of wine. There was formerly a tradition that the Alemtejo was the country of "bad bread and bad wine;" this is no longer the case. Some of the wines of this province will bear comparison with those of Estremadura; but the processes of wine-making are here still very defective, and improvements are but slowly and exceptionally adopted.

The province of Algarve has a superficial area of 485,5835 hectares, with a population of 177,152 inhabitants, and produces annually about 100,000 hectolitres of wine. The vines in this district were almost extirpated by the oidium, but they have since been renewed, and yield wines which in body and other natural conditions, resemble wines of the class of cherry, Madeira and Malaga. Unfortunately the art of winemaking is in a very backward state in this province, and the wines, as at present made, are for the most part not suitable for the English market. Consul Brockenbury mentions the alteration of droughts and floods, which have had so disastrous an effect on the agriculture of southern Portugal. The droughts were most severely felt in Algarve—a province which depends in a great measure on its fruit and acorn crops. Many thousands of trees perished, and it is feared that years must elapse before the ravages worked by the elements can be repaired.

ITALIAN SILK.

Silk is the most important product of the province of Milan, which possesses a large number of silk filatures of various degrees of importance scattered over its surface. In 1863, the total number of basins (*bacinelle*) contained in these mills amounting to 6,449, of which 2,447 were heated by the direct application of fire according to the old method, and 4,202 by steam. In 1871 the number of basins is stated to have been 7,020 (5,830 steam, 1,190 fire). The number of basins in 1878 showed a considerable increase. At the present time, however, the silk industry is greatly depressed, and one-third of the mills are said to be closed, while the remainder are not working at a profit. A greater amount of work is done by the steam basins than those heated by fire; this is partly due to the first being heated with *batteuses*, and partly because the mills fitted with them are kept open for a longer period. Steam reeling gives a most brilliant silk. The The machinery in use in the mills, with the exception of an occasional engine or boiler from abroad, is all made in the country, in some of the large filatures, in great part in the workshops annexed. The latest improvements are carefully attended to. The average day's work in the Lombard mills is from 20 to 14 hours. The reeling season last, as a rule, for 170 to 230 days, and even in the most important filatures never more than 11 months; May is always left free to enable the female hands to attend to the cultivation of the silkworms on their own account or that of others. 50 per cent. of the operatives employed in the silk reeling industry are women, 45 per cent. girls, and 5 per cent. men. Wages are stated to be fifty per cent. above what they were before 1860. The increase between 1863 and 1872 is said to have been 10 to 15 per cent., and there appears to be a constant upward tendency. The city of Milan is the headquarters of the silk trade in Lombardy, and, it may be said, of Italy. The city "Directory" for 1877 gives the names of 14 cultivators, 32 dealers in, and commission agents for silkworms' eggs, 43 silk reelers and throwsters, having their office in Milan, 147 silk merchants and commission agents, 21 silk brokers, and 34 manufactures of, and wholesale dealers in silk stuff.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the *information of their Wants.*

LONDON AGRICULTURAL SEED TRADE

From Messrs. John Shaw & Sons the well known Seed Merchants, of London, we have the following:—

A quiet feeling as is usual towards the close of the year now characterizes the trade for farm seeds. Prices for all varieties show extreme firmness; but the actual demand is limited. Extra choice lots sample of red clover are in request, but these are scarce. Trefoil keeps steady; the moderate stock of this seed is now in few hands, and the English crop being a lost one and no supply possible from America, holders anticipate a higher range of values The article now in greatest favor is Italian Rye-grass: its good quality this season and the low rates ruling, have attracted the attention of speculators, and the result has been an advance of ¼ per cent. Mustard and Rapeseed are without quotable variations. For Canary seed there is more inquiry; Prices abroad are higher, and the bulks here are being diminished by a considerable export movement. Hempseed keeps very cheap. There is some sale for Spring tares; quotations are very low.

New! The Very Best!

TRUE TO NAME!

Felix Gillet's Nursery,

NEVADA CITY, CAL

SPECIALTIES:

Nuts of all Kinds

—AND—

STRAWBERRIES.

PARŒPARTURIENS WALNUT.
(Introduced in California in 1871, by FELIX GILLET.)

THE MOST PRECOCIOUS OF ALL SOFT-shell varieties of Walnut, bearing even when three years old; hardy, a late bloomer, and very productive. First bearing trees in California, at FELIX GILLETS NURSERY, 5th crop, 1879. (Full description in Descriptive Catalogue.)

ONE-YEAR-OLD TREES

Of that new and valuable variety sent to any part of California and the United States, by mail, FREE OF CHARGE, in packages of two feet; in damp moss and oiled paper, and guaranteed to arrive in as FRESH a condition as when leaving our Nurseries, at the following prices: $1. per tree, for less than half a dozen; $8. per dozen, and

$50 per Hundred.

Also, One-Year-Old Late or Serotina

—AND—

JEWELER'S WALNUT.

At the above Prices.

Marron de Lyon and Marron Combale

CHESTNUTS.

— Italian and Spanish Filberts —
MEDLAR (Monstrueuse,)
Black Mulberry (Noir of Spain.
23 Varieties of English Gooseberries,
FRENCH, ENGLISH and DUTCH STRAWBERRIES
FRENCH EVER-BEARING RASPBERRIES
FORTY VARIETIES OF GRAPES, ETC., ETC.

Send for Descriptive Catalogue and Price List. '62

FELIX GILLET,
Nevada City, California.

Newest and Best Berries,

Mountain Grown Plants

—OF—

Glendale, Miners Great Prolific, Endicott, Ruby, Cinderella, Forest Rose and many other New Varieties, and all the

OLD FAVORITE

VARIETIES OF

STRAWBERRIES

HESTINA,
CUTHBERT,
HIGHLAND HARDY,
PRIDE OF THE HUDSON
AND TWENTY OTHER VARIETIES OF
RASPBERRIES.

Send for Catalogue, and see our prices.

Address, C. M. SILVA & SON,
Newcastle, Placer Co., California.

BERKSHIRE SWINE RECORD.

A SPLENDID WORK IN THREE VOLUMES, ELEGANTLY illustrated with plates of the finest Berkshire Swine in the United States and the Canadas, sent out by the American Berkshire Association, is now for sale at the CALIFORNIA FARMER OFFICE 320 Clay Street.

J. M. THORBURN & CO.,

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NEW YORK.

Growers and

Importers of

GARDEN,

FLOWER,

GRASS,

— AND —

TREE SEEDS.

SOLICIT Orders for the above from the TRADE, also, *GLADIOLUS* and all other *BULBOUS ROOTS.*
44.15 Price Lists on Application.

is the most beautiful work of the kind in the world. It contains nearly 150 pages, hundreds of fine Illustrations, and six *Cromo Plates of Flowers*, beautifully drawn and colored from nature. Price 50 cents in paper covers; $1.00 in elegant cloth. Printed in German and English.

Vick's Illustrated Monthly Magazine—32 pages, fine illustrations, and Colored Plate in every number. Price, $1.25 a year; Five copies for $5.00.

Vick's Catalogue,—300 Illustrations, only 2 cents.

Address, JAMES VICK, Rochester, N. Y.

SPECIALITIES
1880.

Early Amber Cane Seed; Bohemian Hulless Oats; Early Russian Spring Wheat; Egyptian or Pearl Millet; New Varieties of Field Corn; Vegetable and Flower Seed; Seed Potatoes, etc.

Send for our Seed Catalogue, containing descriptions, prices, etc. Mailed Free to all. Address,

Plant Seed Company,
ST. LOUIS, MO.

Agents Wanted

To introduce in every County in the United States

The History of the Bible.

The best work to sell that has ever been published. Splendid Premium to every Subscriber. For circulars and terms apply at once to the

HENRY BILL PUBLISHING CO.,
47 19 41, 43 and 45 Shetucket St., Norwich, Ct.

THE DINGEE & CONARD CO'S
BEAUTIFUL EVER-BLOOMING
ROSES

We deliver STRONG POT ROSES for Winter Bloom and Fall Planting, *safely by mail*, at all post-offices. Five Splendid Varieties, *your choice*, all labeled, for $1; 12 for $2; 19 for $3; 26 for $4; 35 for $5; 75 for $10; 100 for $13. Send for our New Guide to Rose Culture, and *choose from over 500 Finest Sorts.* Our Great Specialty is growing and distributing Roses.
THE DINGEE & CONARD CO.,
Rose-Growers, WEST GROVE, CHESTER CO., PA.

A NEW STRAWBERRY.

SHARPLESS, THE LARGEST, BEST FLAVORED and most productive berry ever produced. Berry raised with ordinary culture from plant, set in September, 12½ inches in circumference; weight, 2½ ounces, and on the same stem four others from the size of a hickory nut to that of a walnut. See sworn statement and recommendations in my circular. Free to all sending their name and address on postal card.
J. L. DILLON
49:7 BLOOMSBURG, PA.

N. B.—Catalogues and Plants at FARMER OFFICE.

PLANTS GROWN
for Garden Planting and Fruit for the Market.
100 Acres planted with Berries 100
Varieties of Selected Fruits
See New Catalogue for what sorts to plant. Sent free.
JOHN S. COLLINS, Moorestown, N. Jersey.

49:17 1m

Strawberry Plants for Sale

TWENTY VARIETIES.

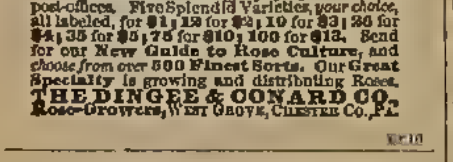
The Rarest and Best.

PRODUCING BERRIES THIS SEASON from the size of a Walnut to that of a Hen's egg

The varieties offered are new and choice and immediately productive.

Directions for their culture given to all purchasers. For sale at

Farmer Office.



EGG FOOD FOR POULTRY.

EGG FOOD IS INVALUABLE FOR ALL kinds of poultry, make your Hens lay, keeps them in splendid condition, prevents and cures the common ailments. The high reputation of this article among Poultrymen, Fanciers and Farmers in the Eastern States has proved that it is the only and best article to keep your Poultry healthy and make them lay. Call and examine or send for Circulars to
WARREN & CO. 320 Clay Street.

MILK, WINE, CIDER

All kept sweet indefinitely by arresting fermentation. Water—the muddiest—made pure and clear as crystal. Enough for ten barrels sent on receipt of "One Dollar." Agents wanted. Address ELSOM'S LABRATORY
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NURSERYMEN AND FLORISTS ABROAD.

Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurserymen, especially, who have NEW and RARE kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our JOURNAL circulates there to a large extent.

This is the season when Nurserymen should make known what they have for sale.

Warren & Co.,
PROPRIETORS CALIFORNIA FARMER.

PUTNAM'S

HANDY-BOOK

SERIES.

What to Eat. A Manual for the Housekeeper: giving a Bill of Fare for every day in the year. 134 pp., cloth..... 75 cts.

Till the Doctor Comes, and How to Help Him By GEORGE H. HOPE, M. D. Revised, with Additions, by a New York Physician. A popular guide in all cases of accident and sudden illness, 12mo, 99 pp., cloth..... 75 cts.

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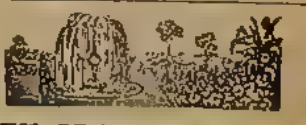
All these valuable books can be had at the FARMER OFFICE, and will be mailed by us Post Free on the receipt of the price named above.

WARREN & CO.
49:11



GARDEN GROUNDS LAID OUT.

THOSE WHO WISH THEIR GARDEN GROUNDS renewed and replanted, or those who desire to have grounds designed and laid out upon scientific principles, and with correct taste and skill, as

ADAPTED TO THIS CLIMATE

Can have this work done to their satisfaction by calling at this office, where all the best works on gardening can be found, and where the various styles, both European and American can be seen. Grounds of any extent, from

ONE THOUSAND ACRES

To small gardens in our city, will be designed and laid out and the Trees, Plants, Shrubs, Vines and Bulbs all supplied of the very best variety and reliable quality, and the work done to complete satisfaction.

WARREN & CO.,
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NEW VALUABLE SEED.

SEED OF THAT IMPORTANT TREE KNOWN AS THE famed BLACK WATTLE TREE, from which is gathered bark for Tanners' use in Australia, can be grown in California with great profit. More than fifteen thousand tons per year of the bark of this tree is gathered and used in the Australia colonies with great profit. Our farmers should look to this tree and have it grown in California for FARMERS use, and thus encourage HOME INDUSTRY. Fresh seed just received and for sale at FARMER OFFICE, 320 Clay Street San Francisco.

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, JAN. 8, 1880.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Mabie's Building—Up Stairs.

FARMERS HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms, Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for one insertion, fifteen cents a line for any larger space. Each subsequent insertion ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,

PUBLISHERS CALIFORNIA FARMER,

San Francisco, Cal.

Editor's Chair.

OUR SPECIAL NUMBER.

We send *this number* to many persons who *are not* Subscribers, but we hope after they shall examine our Journal that has labored for the best Interests of our State for 25 years, they will send in their names and subscriptions to this Pioneer Journal of Agriculture.

Our Holiday Rest.

Agreeable to our custom for long years, we issued no Farmers during the Holiday weeks, and thus secured a period of rest and recuperation much needed by us, by reason of great labor and also indisposition.—

Our present illustrated issue and a large amount of valuable matter, from abroad and at home, will reward all for the little period of our Christmas relaxation *that all of us* needs.

Home Page.—We gave this week a most valuable letter from our valued correspondent, Horticulture No. 4 a most important theme that all must read, and at some time earnestly would we commend the Book alluded to, "Madame Jane Junk and Joe," one of the best books ever published.

Jenny Dare speaks again in her usual style in a spirit, of wit, and satire, yet full of interest.

The poem "Decoration Day" need only to be read to give to the Poet all the praise any Poe might wish.

Horticulture.—An important article upon "Varieties in Plants," we have taken from James Vicks grand teachings. His "Floral Guide" from his counsel our Lady florists may learn much, who among them, will produce the finest *New Species* of the Rose, Lily, or other flowers.

The "Wines of Portugal," and "Italian Silk," contains very important information.

Miscellany.—A group of items on this page to read.

Agriculture.— A very interesting letter from "Yosemite Valley," the discription of the visit of Gen. Grant to that Grand Temple of Nature. The next great place he will occupy, will be the Presidential chair, as this Journal predicted nearly two years ago, this will assuredly be.—

Many valuable articles on the Agricultural page should be read, especialy "National Prosperity." and the "New use of Hop Plants," etc.

Our Front Page.—We give a beautiful Illustration of what "Our Farmers" do for the country, the *Picture Speaks* speaks for itself. We have a full series of these pictures to follow weekly in variety.

We have occupied our entire fourth page to Editorials, on what we esteem important subjects, and give almost our entire number to original matter, even to the exclusion of many *Advertisements* which we are obliged to ask our patrons to excuse us till our next.

We ask to be excused from not noticing the receipts of many books, catalogues and valuable Works, but the next issue shall do justice to all.

Received.—Letters from France, England, Mexico, Australia, New York and our own State, these shall have prompt insertion soon, our "Holiday Rest" and recovery from illness, will give us new strength.

Seeds Received.—We have been favored by a choice collection of Seeds from Messrs. D. M. Ferry & Co., of Flowers, and Vegetables, also, very new and choice Vegetable, Seeds from J. J. H. Gregory, of Marblehead, of his own originating, for—"these we tender many thanks." We also, received from James Vick Esq., a choice collection of Bulbs for our Editorial Sanctum. For which we tender grateful thanks.

THE OLD YEAR and the NEW.

BY ANTO.

The Old Year dies, A New Year born
As the sun shall greet another morn
To some come smiles, to some comes tears.
Comingled with all coming years.

The *Old Year* gone of Seventy Nine,
How many have died and left no sign
The *New Year* comes, let all review
The past, and hail with joy the new.

The *New Year* comes. Oh let its claims,
Bring high resolves and higher aims;
Moments are precious, Life Divine,
Let every day with "Good Deeds" shine

So when our fleeting years shall end,
And God his messenger shall send,
May Each with joy then say, I come
My Heavenly Father, to "Thy Home."

Dec. 31st., 1879.

We take the words above of one of our best friends as "fitting" ones for our Editoral upon the all important and all eventful theme "New Year." Very few writers have the power to give utterance as they ought upon this subject that have not been uttered before either by themselves or by others. Our own chronological data from school-boy-days and back into Bibical history tells of some "Five thousand years" that the New Year has come and gone its round, and millions of minds have written upon the "New Year" until it is difficult to catch ideas that some gifted mind has not grasped before. One thing is very certain to us all, none who have gone before have ever seen or heard of our New Year of Eighteen Hundred and Eighty, so we are sure that this is *new* to all, and as the words above prove that the *Old Year* has gone, and the *New Year* come. So let the aim of all be that the year of 1880 shall with "Good Deeds" shine.

"Men make resolves and pass into decrees,
The motions of the mind."

The motions of our minds are, first to tender thanks to our many Kind Friends and Patrons, our sincere gratitude for the many long years they have given to us personally, and to our cause and our Journal the California Farmer, their kind good will and their cheering patronage and support.

Words are common things, and here in this address we *feel* more than we can *write down* or express; since the year 1854 more than "a Quarter of a Century," and more than one-third of a mans natural life we have come before our friends and patrons with our Journal, we greeted them as *friends*, and felt them to be such. It was our "Morning of Life," our Manhoods pride when we commenced our work, and now it is our evening time of life and labor, and yet we labor on and mean to do so until the "Sunset Hour" shall come to us, and then we shall lay down our pen as we write, Our Labor is Done. we have planted good seed—and we know that good results, a goodly harvest will come from the teachings we have given for the cause of agriculture, and the best good of our adopted State.

The year that has past has been one of great trial and of many vicissitudes to the masses of our agriculturists, but we trust it may prove to them in the end by lessons of *experience*, when in the breaking up of *new ground* it is *hard work*. Yet, after all if they work well, break fine all the rocks and impediments is their furrows, and then plant *Good Seed*, they will at least for a goodly harvest, so we hope all who have had hard and and severe trials, will remember the words of Carlyale, who says:

"Look not mournfully on the Past," but,
"Act well the Present," and
"Look hopefully to the future."

The year of 1880 in its New Dress looks well and smilingly upon us, the bright sun shine cheeringly upon us all in California. Friends met in the Home Circle and warm greetings drove away all clouds of the past, looks well for the time.

We need only say now as the New Year comes to us all, we hope the dark clouds of 1879, that covered the horizon of so many, may be dispelled from all, and a bright sky bring rosy health to the body, cheerfulness to the mind, and prosperity to all the enterprizes in which our kind friends and patrons are engaged in now—may the year of 1880 make them all prosperous, and to those who in the wise Providence of God may have had afflictions, may they all find joy and support in the thought that their trials are sent for good for

"He Doeth all Things Well."

To our friends and patrons we appeal for their continued support and approval of our labor and our enterprise, and we trust that they will win to us many of these friends to help us to labor the few years left for us to work, and they will have our best gratitude.

"The liberal deviseth liberal things,
"And by liberal things they shall stand."

With these words we tender our Patrons and Friends the best wishes for their weal for all the year of 1880.

The New Years Calls

The good old custom of New Years calls, as a renewal of a friendly intercourse among kindred and friends, was observed to a considerable extent this year, but not so universally as in past years, and the reason was obvious.

The hand of Death had darkened many once happy homes, and these among our most prominent citizens, and in addition to this, the great depression in business generally, and the absence from our city of many families that were among the leaders of this goodly customs. These circumstances combined, to make the day less observed than usual, and yet, there was a very goodly number of happy and joyous welcomes to friends in many Happy Homes.

THE CROPS AND PROSPECTS.

The opening Spring for our Farmers, and we can also say for our Orchardists and Vineyardists, never seemed so bright, and although it has been unusally cold, and thus far more than our usual rain fall, yet all seems to give a bright promise to the *cultivator of the soil* for the opening year.

From every county in our State we have the testimony of a larger amount of rain fall than ever before. And this great bounty has been wisely improved by the early planting of the *Grain Crop*, and this too, to a much larger area than ever before.

We are also assured that the larger part of the grain planted this year has been planted upon "Summer Fallowed" land, and most of it put in early. This is a great improvement upon all former years, and assuredly secures to all a larger yield per acre, and of better grain.

Another good feature is shown in the fact that many grain planters have changed their seed, thus securing a benefit always derived from this system.

We are truly glad, in conversation with farmers, to note the earnest wish on their part to make good progress in their science.

The system of "Summer Fallow," "Deep Plowing," "Early Planting" "Good Seed" tells of Progress, and gives assurance of more prosperous results in the future.

Our "Stockmen" are looking for the *best breeds* of Horses, Cattle, Sheep and Swine, and this class of stock is paying better than ever before.

Our "Orchardists" are planting only the *Best Class of Fruit Trees* and looking for those varieties of fruit that will do to export, and kinds also for *drying* for export.

Our "Vineyardist" are enlarging the area of their vineyards, and they are planting the kind of Grapes needed for *Raisin making* and for *Wine*. A very large increase will be made this year it the vineyards of our State.

The owners of "Hop Yards" that recently dug up their vines, did it too quickly, now when the price of hops pay well, they regret their haste.

The *Wool Interest* has much improved the last year. The owners of sheep now value their flocks at more than *double the price one year ago*.

The little "Honey Bee" has added much wealth of our State in late years, and although there has been a trial upon this interest, and a loss in various ways the past year, the prospect is much better for the coming year.

Such are the "prospects" for 1880—and if all unite to do their best amid the few drawbacks that all are subject to, and are thankful for the *good* that always comes mixed even amid trials and disappointments. The New Year will give such a reward to the earnest, faithful and hopeful workers as to secure a goodly share of blessing to all, and for these let us all be thankful.

GOV. STANFORD'S GREAT ARBORETUM.

Gov. Leland Stanford is not content with *one two*, or *three* great works of Public Interest, and for the Public Good, but his great mind looks to every enterprize that will advance the public weal and gives it his earnest and hearty co-operation.

His late importations of Blood Horses of which we speak in another column, will prove of very great and immense benefit to our State by securing the very best Horses that can be bred of the highest and purest blood.

His latest new and important enterprize is the laying out and planting a splendid Park, with Lawns, Fountains, Groves, and Orchards that shall surpass any enterprize upon this Coast. The area to be covered, will comprize *Three Hundred Acres*, admirably located, of soil the best, and with surroundings that will make it equal to the "Central Park" of New York, deeply interesting and valuable, for here are to be introduced every variety of *Trees, Plants, Shrubs* and *Vines*, from our own country, and every part of the world, without regard to cost, so as to test their adaptability to our climate, this will attract to Menlo Park all who can rightly appreciate a *great work* of this kind.

Gov. Stanford in his recent visit at the East, made large purchases and will soon begin his work with nearly *Fifteen Hundred* varieties of Plants, and Trees, already selected. And with the spirit of liberality and a wish to try all, and hold fast to the best only, he will do a great work, a work that will do him honor, and greatly benefit our State.

OUR NEW GOVERNOR.

The gathering together of our Legislators and the making of Laws for the people is of vital moment to the welfare of this great and noble State.

If we can have a good and wise *Government* for our truly great State and for our Emporium City. A Government truly Parental in its aims and characters, then California will advance rapidly on in the path of prosperity, for this we hope.

We have the address of the *reliring* Governor, and also the Inaugeral Address of our *New Governor*. We confess to a liking for Gov. Perkins' Address, it is comprehensive, and has the gold ring in it, and we shall take some of his good recomends, and use them soon, and by our next look to the Legislature and its work—may the spirit of concord dwell among them and the true interest of our State prompt them to act well their part even to the end.

THE SANTA CLARA COLLEGE.

This excellent Educational Institute for young men opened its "New Term" for 1880 on the 5th Inst. with a very large number of pupils and with a flattering promise of a year of great and increasing prosperity.

However many Colleges we may have, this noble "Pioneer College" of this Coast has the most perfect and complete libraries and scientific departments, and with splendid and costly apparatus for all studies of any Institution on this Coast.

The President and Professors are all devoted to their work and this makes a foundation for eminent success.

BREEDING HORSES.

If the causing to be grown *two blades of grass, where one only grew before*, entitles a man to be called a *Benefactor* of mankind, how much more should that man be commended, who in obediance to the laws of creation aided by a knowledge of those laws and a proper application of them, and with an innate desire for progress, shall Improve the Breed of Horses, that noblest of all animals.

The early years of California only showed us the common Mustang race of horses, for several years this class of horses and the Missouri mules were the only animals used here for ordinary purpose of business.

In a few years the desire came for a better class of Horses, and from time to time the various breeds of horses were introduced and new crosses were effected, many very fine races, but the general character of these were for a Racing Stock. Save the fine Norman Percheron breed of Horses of all work,

There has never been a well laid plan to establish a system of Breeding the Finest Stock of Horses from the highest types and blood, by a scientific plan, until Gov. Leland Stanford designed his system, prepared his stables, selected his stock, both Sires and Dams, and without regard to cost, save to have the very best and purest classes and of undoubted lineage, that we could say that California had as perfect and complete a Horse Breeding Farm as any nation could boast of.

Recently by the return of Mr. H. R. Covey, the Chief of Mr. Stanford's Stable, some Forty Blood Animals, of the highest character which could be found among the best Horse Stock Breeders could offer, was purchased by Mr. Covey in Kentucky, and the other States East, at a cost of some $50,000 and brought to Mr. Stanford's place at "Menlo Park" the "Palo Alta" Farm, and there added to his already immense number, making his stable now the largest, best, and most select stock of Breeding Horses in the United States, and owned by one Citizen.

There is undoubtedly no one citizen of our country that has done and is doing more to improve and advance this noble animal, than has Gov. Leland Stanford, and one thing is certain, Mr Stanford does not do this for the making of money for he has wealth enough. He does not do this for fame, for he has already won that, but he does this work for this friend and helper of man, for his love and desire to make *Progress* in this noblest race of animals, and all he has done shows this, the splended Illustrations of the action of the Horse, by "Maybridge," our famed Artist, and his other efforts to advance the knowledge of Horses and the science of Horse breeding and crossing of bloods, and their training, shows that Gov. Stanfords great and grand motive is not a selfish one, but a true love of the Horse, and his desire to make the highest progress in the science of Horse breeding.

All Honor and fame then, and the just meed of Praise to those who shall pour out their wealth for the propagation of only the highest types and Breeds of Animals, for after this will come the greater, nobler and better work of the right propagation of the "Human Species" that we may have a race of men and women of Pure Blood Stock—real Thoroughbreds—so as to make the world better, purer and happier.

The reader is refered to the chapter on "Homoculture in our Home Columns of this number—a noble letter.

THE SYDNEY EXHIBITION.

The opening of this great Exposition of a World's best products, cause great excitement not only all over Australia, but over Europe, and the United States, and from all these countries large and valuable contributions were sent, and, although the complete opening time was delayed longer than expected, the Exhibition is now in its full glory.

We have several valuable reports from Australia we must defer them until our next issue, as our columns were crowed before we received them, and many new advertisements compelled us to lay them over for an extended report.

We are glad to know that California was represented respectably but not *one tenth* as much as she ought to have been.—We hope the present Exhibition will prompt all to do better for the Great Exposition another year at Melbourne.

WINTER COMES.

The late severe cold weather has been a source of astonishment to Californians and many complain of it as a *calamity*, but let us see with *natures eyes* and we shall soon find out what to us seems a calamity is but a "blessing in disguise," for the rains and cold weather will destroy myriads of worms, moles, gophers and varied insects upon plants, trees and vines and must check the spread of the Phylloxera.

If all will remember that the cold snap will check a too early advance of our fruit crop, and thus save it from late frosts, and a careful look to natures plans it will be seen that more *good* has been done by a vast amount than all the *injury* that has occurred.

Let us therefore remember that we should look for the *bright side* of nature, as well as be ready to complain. Let us remember too how much more we here in California are sheltered from storms than any other portion of God's Fair Earth, and let us be grateful for our Blessings, and improve them.

EUCALYPTUS IN SACRAMENTO.

We have appointed the well known house of

MESSRS. H. C. KIRK & Co.,

Our agents for the County of Sacramento, for our famed Eucalyptus Remedies in all their vairetics.

Messrs. Kirk & Co. are at the head of the Drug and the Apothecary business in that City, and we invite our readers in that region, all who wish to be relieved from suffering to call on them and obtain the only true Eucalyptus remedies, those of David Clark's manufacture,

OUR ADVERTISERS.

We ask the especial attention, of our readers, our advertising columns, of which we are justly proud, as we offer advertisers to our readers from all parts of the Union, and no advertiser but of the very highest standing in their respective lines of business.

The extensive manufactory of the John Deere Plow Company, of Moline, Ill., the largest in the United States, is worthy of special notice. The firm are now shipping plows largely to all part of the world and are making large sales every where.

Messrs Fish Brothers, the celebrated Carriage and Wagon Manufactures, of Racine, Wisconsin, is another famed manufactory, from whose warehouses carriages and wagons go abroad to all countries, besides our own

We can refer with much pleasure to the many noted Seedsmen and Florists of the old States whose advertisements appear in our columns Business-houses that are known world wide, and whose business extends not only in our own country, but to other parts of the world.

The readers of the Farmer all know that we never admit into the columns of the Farmer any but the *Best Houses*, such as we can reccomend to all conscientiously.

We specially call attention to the New Advertisements in this, our illustrated number—as this edition will reach every part of our Union, as well as being widely scattered in Australia, Mexico, the Islands, and in Europe, our advertisers will reap a great benefit therefrom.

REMEMBRANCES.

The kind rememberances of our Christmas and New Year friends are all duly placed upon the Tablet of a grateful memory.

We have many tokens that will long be cherished from these kind friends.

We have many also sent us to nourish us, cheer us, in our labors and toil that we are very grateful for also, and of these we express thanks to the generous proprietors of the Alhambra Gardens, of Martinez, for three varieties of the choicest wines of that famed Vineyard, 5, 6 and 7 years old wine, of which any vintner might well be proud.

We also acknowledge a kindly remembrance from G. Groninger, Esq. of a supply of his notable "Port Wine," a proof that when our wine makers produce such wine, we need no longer to *Import Wines*, Mr. Groninger is now exporting these wines very largely to all parts of our country and to Europe also.

We also return thanks to G. M. Naglee, of San Jose, for a liberal demijohn of his famed medicine which is superior to any imported Brandy on our Coast.

We are indebted to our friends G. and B. and S. for a kind gift of fruit which was opportune. May all our kind friends be abundantley blessed in *Basket and in Store*.

RECEIVED AT READING ROOMS:

We have *valuable reports* from the Agricultural Department, upon the great industries connected with Agriculture recently. Special reports upon the manufacture of sugar from maize and sorghum.

Valuable Reports from the Signal Office and Treasury Department, at Washington, D. C. for which we tender special thanks.

We recently received from our esteemed friend Prof. J. J. Watson of N. Y., a valuable pamphlet entitled the *New Science*, wonders of light and color, or "Color Healing," of this new physician we shall speak—thanks for the work.

We return thanks to H. G. Hanks, Esq., surveyor, for valuable specimens of ancient models of Indian weapons and valuable geological notes, we shall duly note them, thanks, thanks, good Mr. Hanks.

Nursery Catalogues Received.—We have from from our Home Nurseries the Catalogues of our most prominent Nursery-men. We have the full catalogues of the Nursery of fine trees, and rare plants of B. S. Fox Esq. the largest Nursery in our State.

Also Catalogues of C. M. Sylva & Son, Newcastle, Placer Co. Catalogues of Felix Gillette, Nevada City, Cal., all these Nursery-men have fine collections of Trees and Plants and are all reliable and trustworthy Nursery-men to deal with. We shall futher note their business.

We have the finely *Illustrated Catalogues* from the East, from James Vick, Esq., of Rochester N. Y. Also, of Messrs. Elwanger & Barrey, the famed Nursery-men of Rochester, N. Y.

We have the large and handsomely illustrated Catalogues of D. M. Ferry & Co., of Detroit, Michigan, also, Catalogues of the Plant, and Seed Company, of St. Louis, Mo., we have Catalogues in English, French, German, Dutch, and all languages, all valuable, all showing *progress*, as in great science of cultivation and growth.

THE CALIFORNIAN.

How quickly this name awakes the minds of every person who hears it spoken, if it is abroad in other parts of the country they look up and expect to meet a wonderful man or woman, who coming from the "Land of Gold," the golden country known as the "Sunset Land" of the far West, they expect to see and hear the wonders of that great country.

But the "Californian" of which we now speak is the New Western Monthly Magazine, which appears to the community with it Number One to ask of Californians, that they give the "Right Hand of Fellowship" to their own native.

The "Californian" comes to us in the form and style of the "Overland Monthly," formerly so highly prized and all so much regretted to lose. It is also the aim and style of the popular "Atlantic Monthly" now patronized the world wide, but this is a "Californian" and claims and should receive a liberal, generous and quick encouraging support.

The initial number one, has just *One Hundred Pages* chiefly original matter from twenty of our well known literary and Scientific writers of well earned fame. The matter will interest readers, and we trust promptly them to come to its support, so as true Californians we say, we have a Home Magazine worthy of universal support.

The "Californian" is issued by "A. Roman Publishing Company," 522 California St., at the "Argonaut" Rooms. Price $3. per year, single number 25 cents. to be at all the Bookstores.

The name of A. Roman as of the Publishing company should rally every true friend of a Pioneer to give to Mr Roman early and most worthy Pioneer, that encouragement which so richly deserves in his new Enterprise.

PACIFIC MAIL STEAMSHIP CO.

The Steamships of this Company will sail from SAN FRANCISCO, during the year 1880 as follows:

From Wharf, cor. of First and Brannan Sts.

—HOUR OF DEPARTURE, 12 NOON.—

For YOKOHAMA and HONG KONG.

CITY OF TOKIO	CITY OF PEKIN.
March.....20th	February.....7th
	May.....1st

And after May 1st, on the 1st of every month. Connecting at Yokohama with steamers of the MITISU BISHI Co., for

HIOGO, NAGASAKI and SHANGHAE.

For SYDNEY and AUCKLAND via HONOLULU,

Jan 19,	Feb 16,	March 15	April 12,
May 10,	June 7,	July 5,	Aug. 14,
Aug. 30,	Sept. 27,	Oct. 25,	Nov. 22
Dec. 20.			

For NEW YORK via PANAMA

the 5th, 19th and 28th of every month.

Taking Passengers and Freight for MEXICAN, CENTRAL AMERICAN and SOUTH AMERICAN Ports.

For HAVANA and all WEST INDIA Ports;

For LIVERPOOL, LONDON and SOUTHAMPTOM.

For St. NAZARIE, and for HAMBURG, BREMEN and ANTWERP.

—FOR—

For Victoria, B. C.; Port Townsend, Seattle, Tacoma and Olympia.

On the 10th, 20th and 30 of every month.

WILLIAMS DIMOND &CO.,
General Agents.
San Francisco January 1st. 1880.

HUTCHINSON & MANN,

INSURANCE AGENCY.

Nos. 322 and 324 CALIFORNIA St., - San Francisco.

—o—

FIRE INSURANCE.

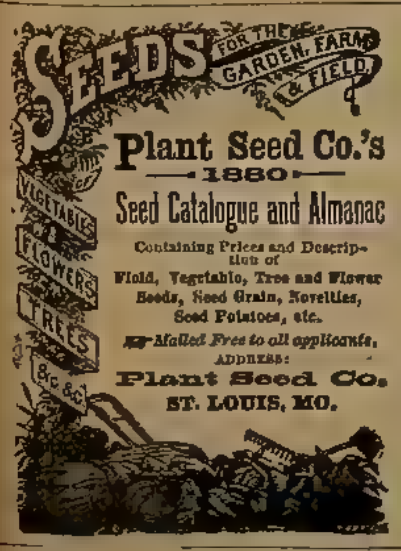
GIRARD.....of Philadelphia
HOME.....of Columbus
NEW ORLEANS ASSOCIATION.....
PEOPLE'S.....of Newark
REVERE.....of Boston
LA CAISSE GENERAL.....of Paris
ST. PAUL.....of St. Paul
UNION.....of Galveston
TEUTONIA.....of New Orleans
BERLIN-COLOGNE.....of Berlin
LA CONFIANCE.....of Paris

MARINE INSURANCE.

PARIS UNDERWRITING ASSOCIATION.....of Paris
LONDON and PROVINCIAL MARINE INS. Co. London

Capital Represented.....$23,000,000

All Losses Equitably Adjusted and Promptly Paid.



Plant Seed Co.'s
1880
Seed Catalogue and Almanac

Containing Prices and Description of Field, Vegetable, Tree and Flower Seeds, Seed Grain, Novelties, Seed Potatoes, etc.

Mailed Free to all applicants.
ADDRESS:
Plant Seed Co.
ST. LOUIS, MO.

CO PARTNERSHIP NOTICE - THE BUSINESS heretofore conducted by HENRY B. WILLIAMS, under the firm name of WILLIAMS, BLANCHARD & CO., will be continued and carried on by the undersigned, who will assume all contracts, and will receipt and liquidate any and all indebtedness due to and owing by said firm name of WILLIAMS, DIMOND & CO.

HENRY B. WILLIAMS,
A. CHESEBROUGH,
W. H. DIMOND,

San Francisco, December 31st, 1879.

SANTA CLARA VALLEY
Nursery

Trees, Plants, Shrubs.

I OFFER FOR SALE THIS SEASON A LARGE GENeral assortment of Nursery stock; Fruit Trees, small Fruits, Shade and Ornamental Trees and Plants.

ROSES, in great variety and choice.

APPLE and PEAR SEEDLINGS at reduced prices.

Also the MIPOBOLAN PLUM, which does not sucker.

To parties buying largely I offer special inducements.

Catalogues free on application.

BERNARD S. FOX, Proprietor.
San Jose, Cal.,
Thomas Meherin, Agent.
516 Battery Street,
SAN FRANCISCO.

49:20 3m

W. H. FLETCHER,

Shipping and General Commission Agent,

SYDNEY.

HAVING HAD CONSIDERABLE EXPERIENCE IN the Australian Trade is in a position to purchase and ship Colonial Merchandise and to attend and promptly, to the disposal of Californian Produce consigned to him for sale.

REFERENCES.

HUGH CRAIG, Esq., 307 California Street.
MESSRS. WARREN & CO., San Francisco.

49:16

ROYAL
SEMI-PORCELAIN

DINNER SETS
REDUCED TO $7.50

GOBLETS - - 75 Cents per dozen.
TUMBLERS - - 50 Cents per dozen.

Other Goods in Like Proportion.

O. LAWTON & CO.,
609 AND 611 MARKET STREET
49:17 SAN FRANCISCO.

Our latest improved sawing machine cuts off a 2-foot log in 2 minutes. A **$100 PRESENT** will be given to two men who can saw as much in the old way, as one man can with this machine. Circulars sent free. W. GILES, 741 W. Lake St., Chicago, Ill.

CAUTION.—We are stopping all infringements upon our Patents, and have sued W. W. Bostwick and Farmers Manufacturing Co. for making machines like ours. We have also sued W. H. Clark, of Star City, Ind., for using and selling said machines. 49:20 1m

My Annual Catalogue of Vegetable and Flower Seed for 1880, rich in engravings from photographs of the originals, will be sent FREE to all who apply. My old customers need not write for it. I offer one of the largest collections of vegetable seed ever sent out by any seed House in America, a large portion of which were grown on my six seed farms. *Full directions for cultivation on each package.* All seed *warranted to be both fresh and true to name*; so far, that should it prove otherwise, *I will refill the order gratis.* The original introducer of the Hubbard Squash, Phinney's Melon, Marblehead Cabbages, Mexican Corn, and scores of other vegetables, I invite the patronage of *all who are anxious to have their seed directly from the grower, fresh, true, and of the very best strain.* **New Vegetables a Specialty.**

49:20 2m JAMES J. H. GREGORY, Marblehead, Mass

THE EUREKA $3 Printing Press

Prints cards (Self-Inker $5) 1½ larger than Type business or pleasure, young or old. Do your own advertising and printing. Catalogue of presses, type, cards, &c., for 3 stamps. Kelsey & Co. Meriden, Conn

9:20 4tg

DEERE & COMPANY,

MANUFACTURERS OF THE

JOHN DEERE MOLINE PLOWS.

MOLINE PLOW WORKS.

11-INCH STUBBLE PLOW.

THE WORLD'S FIRST PRIZE AT THE VIENNA EXPOSITION IN 1873.

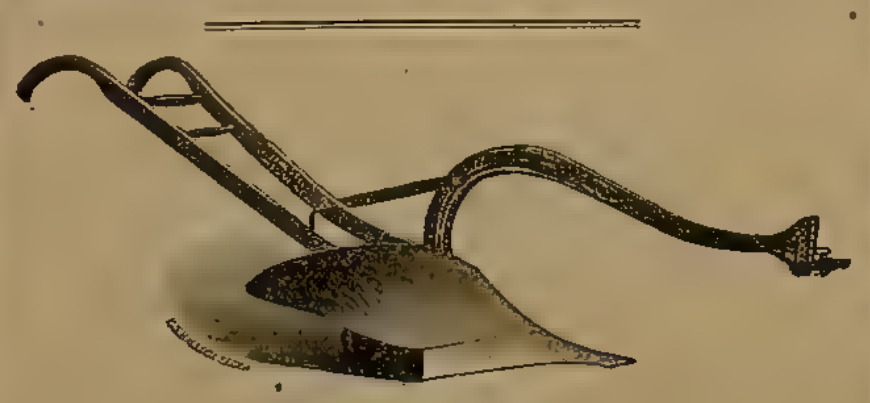
The points sought for in plows are steadiness of run, ease of draft, perfect work, and durability—and these important considerations we think we have secured to our plows. This was so decided by the Committee at the Great Vienna Exposition, who awarded the prize to our plows.

THE DEERE GANG PLOW.

Its ingenious construction and simplicity are shown in the fact that by *one lever* it is operated to any required depth. Opens up the first furrow and finishes the land by simply *moving the lever* from one notch to another, the plows maintaining a level position at all depths, and by pressing the same lever outward until it locks into a lug on the hub, the plows are carried clear of the ground by a half revolution of the wheel.

Its strength and durability are shown by merely stating that it is all *iron and steel*; and although there are many lower priced Gangs than ours, its cheapness is demonstrated by its greater durability and superior adaptation to the purpose for which it is designed. The DEERE GANG has an advantage over others, also in its lightness of draft, as has been proved in many dynamometer tests, and the many farmers having them in use have become satisfied, by comparative *team tests*, that no draft is added by the weight of frame and driver; and this is accounted for by the well known fact that a heavy load can be carried on wheels easier than a lighter one can be dragged on the ground.

The principle on which the DEERE GANG is constructed is such that the tendency of the plows to run at greater than the required depth is arrested by *the lever*, and the weight of plows and earth upon them, as well as that of the frame, is transferred to and carried by the wheels.



IRON BEAM PLOW.

The stickiest soil will not adhere to the working surface and more and better work can be accomplished with them each day, with ease to team and plowman, than with the plows of any other make.

They have been awarded the highest prizes ever offered in the country on plows, and have successfully carried off the prizes offered by the agricultural societies of the different Western States, and last season was awarded the GRAND PRIZE in field trial at the PARIS EXPOSITION, besides many prizes at other European trials of lesser note.

DEERE & COMPANY,
MOLINE, ILLINOIS, U. S. A.

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S
Liver and Bilious Pills.

Full Directions for Use Accompany every Box.

—ALSO—

CLARKE'S
Concentrated Compound Fluid Extract
—OF—
EUCALYPTUS
Clarke's
LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1872.

To MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed *good health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON.

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 23, 1874.

TO MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)
JOHN GREEN,
—Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus:

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir:*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,
GALEN CLARK,
Commissioner Yosemite Valley

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, [illegible] to the public to give it the following letter

SANTA CLARA, SANTA CLARA COLLEGE.

COL. WARREN *Dear Sir*

Heretofore we have had no occasion of trying the Eucalyptus Medicines, in Pills or Liquids, but we have commenced to use them, and we find them very beneficial, some of our Fathers find a great relief in their complaints; the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare. Yours respectfully,
A. CICHI, S. J.

At later date we received the following, another proof of the virtue of this Medicine:

The Pills we find to be a mild and beneficial cathartic The Liquid Extract is a valuable Blood Purifier and a good appetizer A. CICHI, S. J.

The above from Prof. Cichi, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedial.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you David Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY
David Clarke,
Manufacturing and Wholesale Chemist,
AT HIS LABORATORY,
Warwick, Queensland.

FOR SALE BY
WARREN & CO.,
SOLE AGENTS FOR THE
UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

PHIL NEIS,

Hop Dealer and Commission Merchant.

HOPS AND BARLEY SPECIALTIES.

Pressed Hops in ½, ¼, and 1 pound Packages.

322 DAVIS STREET,
SAN FRANCISCO. 49:1

DO YOU WANT $25 A DAY? If so, write us. We will show you how and start you. Profits Large. Work sent anywhere. Don't delay. Address QUAKER CITY GALVANIC CO., Philadelphia, Pa. 49:20 13t.

Home Miscellany.

"There is no place like HOME.
Home! It should be Heaven on Earth

DECORATION DAY.

[The anniversary of the Great Battle of New Orleans which is commemorated this day is a fitting time to publish such a Poem as we give our readers to-day. Let us mingle the thoughts and wishes of the Patriotic Author of this truly exquisite poem with the memory of those who fell on that memorable day.

The following poem was written by Lieutenant Will M. Carlton, the poet of Hillsdale, Michigan, for Decoration Day at Tecumseh, Michigan, and read by a young lady of that place during the ceremony:

This is one of the most beautiful, pure, and tender poems ever written upon this subject, and reflects honor and fame upon the writer.] ED. FARMER.

COVER THEM OVER.

Cover them over with beautiful flowers,
Deck them with garlands, these brothers of ours
Lying so silent, by night and by day,
Sleeping the years of their manhood away.
Years they had marked for the joys of the brave,
Years they must waste in the mouldering grave.
All the bright laurels they waited to bloom,
Fell from their hopes when they fell to the tomb.
Give them the meed they have won in the part,
Give them the honors their future forecast.
Give them the chaplets they won in the strife,
Give them the laurels they lost with their life.
Cover them over—yes, cover them over—
Parent, husband, brother, and lover!
Crown in your heart those dead heroes of ours,
And cover them over with beautiful flowers.

Cover the faces that motionless lie,
Shut from the blue of the motionless sky.
Faces once decked with smiles of the gay,
Faces now marked with the frown of decay;
Eyes that looked friendship and love to your own,
Lips that the thoughts of affection made known,
Brows you have soothed in the hour of distress,
Cheeks you have brightened by tender caress,
Oh! how they gleamed at the nation's first cry!
Oh! how they streamed when they bade you good-by!
Oh! how they glowed in the battle's fierce flame!
Oh! how they paled when the death angel came!
Cover them over, oh! cover them over,
Parent, husband, brother and lover.
Kiss in your hearts those dead heroes of ours,
And cover them over with beautiful flowers.

Cover their hands that are lying untried,
Crossed on the bosom or low by the side.
Hands to you, mother, in infancy thrown,
Hands to you, father, clasped close in your own;
Hands where you, sister, when tired, and dismayed,
Hung for protection, and counsel, and aid;
Hands that you, brother, in loyalty knew,
Hands that you, wife, wrung in bitter adieu;
Bravely the musket and sabre they bore,
Words of affection they wrote in their gore.
Grandly they grasped for the garland of light,
Catching the mantle of death darkened night.
Cover them over! oh! cover them over,
Parent, husband, brother and lover;
Crown in your heart those dead heroes of ours,
And cover them over with beautiful flowers.

Cover their feet, that all weary and torn,
Hither by comrades were tenderly borne,
Feet that have trodden the flowery ways,
Close by your own in the old happy days,
Feet that have pressed life's opening morn,
Roses of pleasure and death's poisoned thorn,
Swiftly they rushed to the help of the right,
Firmly they stood in the shock of the fight,
Ne'er till the bugle of Gabriel sounds,
Will they come out of their couch in the ground.
Cover them over, yes, cover them over,
Parent, husband, brother and lover!
Rough were the paths of those heroes of ours,
Now cover them over with beautiful flowers.

Cover the hearts that have beaten so high,
Beaten with hopes that were doomed but to die.
Hearts that have burned in the heat of the fray,
Hearts that have yearned for the homes far away,
Hearts that beat high in the charge's loud tramp,
Hearts that low fell in the prison's foul damp
Once they were swelling with courage and will,
Now they are lying all pulseless and still.
Once they were glowing with friendship and love;
Now their great souls have gone soaring above.
Bravely their blood to the nation they gave!
Then in her bosom they found them a grave.
Cover them over, yes, cover them over,
Parent and husband, brother and lover;
Kiss in your hearts those dead heroes of ours,
And cover them over with beautiful flowers.

Cover the thousands who sleep far away,
Sleep where their friends cannot find them to-day
They who in mountains and hillside and dell:
Rest where they wearied and lie where they fell,
Softly the grass blades creep round their repose,
Sweetly above them the wild flowerets blows,
Zephyrs of freedom fly gently o'erhead,
Whispering prayers of the patriot dead.
So in our minds we'll name them once more,
So in our hearts we'll cover them o'er.
Roses and lilies and violets blue,
Bloom in our souls for the brave and the true.
Cover them over, yes cover them over,
Parent, husband, brother and lover.
Think of those far away heroes of ours,
And cover them over with beautiful flowers.

When the long years have rolled slowly away,
E'en to the dawn of earth's funeral day,
When at the archangel's trumpet and tread
Rise up the faces and forms of the dead.
When the great world its last judgement awaits,
When the blue sky shall swing open the gates,
And our long columns march silently through,
Past the great Captain for final review,
Then from the blood that has flowed for the right,
Crowns shall spring upward, untarnished and bright,
Then the glad ears of each war-martyred son,
Proudly shall hear the glad tidings "Well done."
Blessings for garlands shall cover them over,
Parent and husband, and brother and lover.
God will reward those dead heroes of ours,
And cover them over with beautiful flowers.

APPROPRIATE NEW MUSIC.—We have received a copy of a new and choice musical composition prepared for the Piano by F. Boscovity and published by M. Gray Esq. This music is dedicated to Mr. C. T. Mills of the "Mills Institute" and is entitled the "Christmas Bells."

Home Correspondence.

HOMOCULTURE. NO. 4.

In pursuance of this subject, we must remember that man is born in a state of the most helpless ignorance, as to all things around him. Other animals are born into the order of their lives, consequently instinct teaches the young of most animals at a very early age, how to procure their food, to protect themselves from their enemies, etc. The child is not born into these knowledges, but acquires them generally through painful and long continued effort. Still all the potencies of his whole life are contained within his feeble organism. Nothing can, after birth, be added to or subtracted from this miniature human form. These powers must be developed and unfolded somewhat as new faculties by education and proper training, yet, if the germs of each be not born in the individual, he cannot possess or use them. What a momentous question then for parents to ponder, as to the spiritual, mental, moral and physical inheritance, which they alone can bestow upon their children! If the foundation be not rightly laid, the character if dwarfed and deprived of that harmony and beauty of proportion which becomes its chief glory as a human being. If it is born of *discord* rather than the *concord* of love in the parents, how shall the man or woman to be developed from the child, assume truly human proportions and grow into the full stature of manhood or womanhood? As well may we expect "grapes of thorns or figs of thistles."

The chief difficulty in the way of improvement in this respect is that so little thought is given to the matter. They to whom is committed the responsibility fail to study the laws of their own being even on the natural plane of life. How can we expect them to realize the great facts and laws of parentage on the higher spiritual, mental, and moral nature? in each of these germs must be conceived of good qualities in themselves to produce right results in their children. I have been reading with much interest and pleasure a story of San Francisco life, entitled "MADAME JANE JUNK AND JOE" in which the "proper propagation of the American Race" receives considerable attention. The Author promises that Madame Junk shall hereafter write a book upon this subject from a scientific standpoint. The admirable manner in which she has discussed the subject shows that she is fully competent to write such a work. Few novels are at once so instructive and suggestive as this, which was published by Bancroft and Co. about ten years ago. A copy cannot now be obtained. Why they should allow a book of so much merit to remain so long out of print I cannot understand. Having loaned the only copy which could be found for sale in San Francisco, I cannot, as I wished, introduce here an extract from its pages. I will endeavor to do so in a future article.

How many young men and women enter upon married life without the slightest idea of the consequences of bringing into existence children, who shall forever, either bless or curse them for the inheritance entailed upon them as a part of their nature, of qualities destined to make either their weal or woe through untold ages! The farmer knows that he cannot raise good fruits or grains from poor seed: The stock raiser also shows the greatest care in his selection of animals from which to produce superior breeds; In regards to *human beings* how little is said or thought about this all important subject! The two greatest curses of the race are Whiskey and Tobacco. We see their legitimate fruits by dozens in the streets of our large cities. Those styled hoodlums, both boys and girls bear very plainly the superscription and stamp of their parentage. What a crop of criminals from which our Jails and State Prisons will reap the harvest. In the next, if not in this generation. What question is more important to our Statesmen and Educators than this?

We are often told that every thing depends upon *woman* to make their children what they ought to be. What about the fathers? besotted and brutish with the poisons of alcohol and nicotine as many of them are continually! I think we need *good fathers* as well as *good mothers* to produce such children as shall become good moral citizens, benefactors of their race. We need more light; more discussion upon this great question by men and women. Surely it is the science of sciences! and is deserving the study of a lifetime, that its practical bearing may be brought to the attention of the young men and maidens who should become interested to learn its high and holy truths.

MARGARET.

Petaluma, Cal., Dec. 22nd, 1879.

The Child-Killing Season.

Next to the offspring of the helpless poor no one has better reason to dread colder winter weather than some of the children of the rich. Fashion once decreed that bare knees were the proper thing for children, whether in winter or summer; and although this rule has been modified to some extent, the custom almost invariably prevails of restricting children to a single thickness of cotton or wool as sole protection of knee and lower leg against the cold. How this senseless and cruel violation of physical law ever became popular is more than the sane intellect can imagine, the fact that it is so will force itself upon the attention of any one who observes children under ten years of age. It may be too much to hope that the generality of mothers will modify a dress that looks pretty, but ordinary humanity demands that the extremities of children be very warmly clad, and if the present style of dress is not altered in shape and effect, a change to thicker clothing for feet and knees will be of unspeakable benefits to hundreds of thousands of children who suffer keenly from weather such as we have had of late. Broadway presents some sad sights, but none more enraging than that of a mother in a sealskin sacque accompanied by a shivering child in beautiful clothing which is none too heavy for comfortable use in the summer season.—*N. Y. Herald.*

To keep apples from decaying, put them in a cool place—where there is a large family of children.

Eastern Correspondence.

GREEN TREE, Penn., Nov. 3d, 1879.

DEAR ALICE:

I promised to tell you how my second venture in the "Sea Side" turned out——bad—very bad. Out of four novels only was at all satisfactory and that is "Cyrilla" by the Baroness Tautphœus authoress of "The Initials" you remember; it is not as good as "The Initials" but is quite interesting and has some lovable people and considerable suggestiveness, and through it shines like a star beside "Phyllis" another of the lot.

"Phyllis" is crude, rather silly and not over refined. Next comes "Niarcia" this was a dire disappointment, for it is by the same Author as "Sonia" mentioned in my last, and I expected a treat but only got a mouthful of ashes. It is very Frenchy and to me very repulsive; last comes "John Thomson, Blockhead," by Louisa Parr, another disappointment for I supposed it was a story like that charming "Dorothy Fox," but instead it is a collection of short stories and nobody likes whole bookful of short stories.

You might suppose that such bad luck would have deterred me from trying again, well, perhaps it would if the weather had not been so—there is no language in polite usage that will describe what the weather has been for the last two weeks and is at the present writing!!! Then Satirica is a way from home, and I was laid up with a severe cold, and what will you have? I am nothing but a "weak woman" and—I sent for some more and they——never came at all! and our Post Master tells that there was a man taken out of the Post-Office recently for robbing the mails and most likely he has got my two dollars. No, no, I was not going to buy *twenty* novels all at once—one dollar was to go for "Harper's Magazine" for three months and forty cents was to be paid to my credit and the remainder was for new novels, but alas unless my friends take up a collection for my benefit I am not likely to indulge in any fiction except of my own invention for some time to come. Was it Edward Everett Hale who said—if people only knew how delightful it was they would write their own novels?

Perhaps you wonder at my subscribing for "Harpers" for only three months at a time? life is uncertain and I am determined Satirica shall pay or her own light reading when I am gone. I shall take "Harpers Magazine" as long as I live but not any longer, besides when I used to take it direct from the Publishers there was always some numbers missing. You see it is so popular that it was stolen. Other subscribers that I know had the same experience.

I wonder what will take the place of "Harper" in the future world? And the new novels? Can any celestial delight surpass that of a true bookworm over the pages of a favorite author? The thought of the well worn pages of my beloved Dickens and the glossy new pages of charming Jane Austin's novels brightens even this gloomy November day, for I treated myself to a complete set of Jane Austin's novels this summer. I never tire of "Emma," "Pride and Prejudice," "Sense and Sensibility," "Northanger Abbey" and the rest of them anymore than I do of my bread and butter. I have read "Emma" twice in six month, and was more in love with Mr. Knightley than when I first made his acquaintance in my "salad days."

Satirica twits me with a sneaking fondness for Rochester but even she admires Mr. Knightley. And Miss Bates, why she is as real as half the folks I know in the flesh to-day—indeed, it is the naturalness of Jane Austin's characters that charms and satisfies ones sense of proportion as it were. Hamlet's direction to the players to hold the mirror up to nature, has been literally followed by Jane Austin, and some novelist of our day might profit by those words of wisdom, as applicable to writers as to actors. Yes, I do know a little about some books beside novels, to tell the truth, Shakespeare and King David are the only poets I really care anything about. all others seem tame and insipid beside the great masters of profane and sacred poetry.—(Excuse me while I mend the fire—not a fire of twigs to-day, no, a great blazing grate full of bituminous coal—the ground is white with snow and a bitter biting wind is abroad.)

AFTERNOON.—I found it was time to get dinner after piling something less than a ton of coals on the fire and by-the-way do you know anything that will remove the odor of onions from the hands? Yes, I do my own house work and oh Alice my love, it is very dreadful! shocking! but I am exceedingly fond of beefsteak smothered in onions! Don't tell. A reference to the kitchen table in your last letter lead me to imagine that you too, were familiar with the delights of dish-washing. cooking, sweeping and dusting. Is it so? Then do tell me what you have for dinner. you Californians are said to live on the fat of the land and to indulge in Thanksgiving dinners every day. I am very fond of good things and as I spend so much time in the open air I have an excellent appetite, indeed, Satirica says it is immoral for a creature with a soul to think so much about "vittles." So don't imagine Jenny Dare a sentimental, etherial being, always poring over novels when not straying through the fields and woods. No, indeed, she has her own share of buffeting with "the world the flesh and the——" the other you know whom.

Dear Alice, Adieu for a long, long time; for unless Col. Warren sends me a sheet of postage stamps I shall be obliged to forego letter-writing as well as novel-reading.

Yours truly, JENNY DARE.

No SURER REMEDY can be had for Coughs and Colds or any trouble of the throat, than *"Brown's Bronchial Troches."* Imitations are offered for sale, many of which are injurious. The genuine Bronchial Troches are sold *only in b oxes.*

IF CHRISTIANS must contend, let it be like the olive and the vine, which shall bear most and best fruit; not like the aspen and the elm, which shall make the most noise in the wind.—*Jeremy Taylor.*

DOMESTIC RECEIPES.

A NICE BEEF SOUP.—Get a shin bone, (called soup bone,) have it well broken up, put it on to cook early in the morning, covering it with water, boil it down half, add a handful of cabbage shaved fine, two potatoes cut fine, half a small onion, two or three tomatoes, a handful of rice or barley, salt to taste; boil an hour more, and if it is a family dinner, take the meat out from the soup into a pan, let it stand till cool enough to skim off the grease, put it back in the kettle, heat and serve a portion of the sediment in each dish.

CORNING HAMS.—For one hundred pounds of meat, take ten pounds salt, four pounds sugar, two quarts molasses, four ounces saltpetre, four ounces pepper, two ounces soda. Dissolve the salt in four gallons water; boil and skim, then add the other ingrediments; pour on while warm. In six weeks they will be ready for smoking; some prefer to take them out in three or four weeks. Smoke *with corn cobs* or hickory chips.

VEAL SWEETBREADS.—Scald in salt and water and remove stringy part; put in cold water a few minutes, dry in a cloth, dip in egg and bread-crumbs, fry brown in butter; take out, pour in the pan a cup of cream, a little chopped parsley, pepper, salt, and a little flour; boil up and pour over the breads; serve hot.

LOVE MOTHER.

One day little Dora was busy at the ironing-table smoothing the towels and stockings.

"Isn't it hard work for the little arms?" I asked.

A look of sunshine came into her face as she glanced toward her mother, who was rocking the baby.

"It isn't hard work when I do it for mamma," she said, softly.

How true it is that love makes labor sweet!

BLOOD IS LIFE!

And the best blood purifier in the world is "David Clarke's Australian Liver Pills," there are no pills manufactured that surpass them in excellence, they are so certain a remedy for all evils that affect the liver or taint the blood—buy only DAVID CLARKE'S GREAT REMEDIALS.

A Valuable Home Book.

We have received from the Orange, Judd Co's publishing office, a valuable new book just issued by them, a very admirable work, and finely illustrated, bearing the name of PRACTICAL TEXIDERMY.

The little book clearly illustrates the many ways by which all animals, birds, fish and insects may be made to beautify and embellish "Home;" and at sometime children and youth, in every family, can receive valuable lessons in natural history. This is a most creditable book, and one that should be in every family.

We believe it is the first book of the kind so complete that was ever published in the country.

This fine book was complied by Mr. Joseph H. Batley, who accompanied many of our Government Exhibitions and Surveys, Also of Collegiate Institutions and Museums of our country. 125 fine illustrations embellish the book. For sale at bookstores generally.

WHO MAKES SCRAP BOOKS?

'Tis said "In the making of books there is no end," and we know there are many persons who are always interested in making SCRAP BOOKS—now, to all such persons, we have some very important information which will benefit them.

It will be seen by our advertisement of "OLD NEWSPAPERS FOR SALE" that we can furnish just the right material for SCRAP BOOKS, for we have in this collection of OLD NEWSPAPERS, a series of papers of 10 to 25 years, and from every State in the Union, and also European papers, with select scientific and literary papers, journals of all kinds. In these papers will be found much of the best Poetry of the age; also, Stories, Anecdotes, etc., all very valuable, and these we shall offer at the low rate of $1.00 to $3.00 per hundred. Many of these are 12, 16 and 20 page pamphlets, and magazines and other periodicals, those who want these collections will call at or address the

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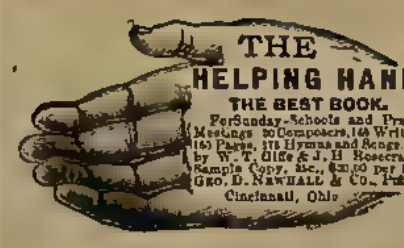
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48:2

Directions for Planting Tree Seeds.

All nut and hard shell seeds should be soaked in warm water, milk and water is better, and hot too. if convenient, soaked until the rind is softened, then placed in the earth as follows

All seed of choice nut trees, or of ornamental and shade trees do better if planted in good sized boxes, and when 6 10 or 12 inches high to be transplanted where they are to grow.

THE SOIL AND PREPARATION.

Take of good rich loam (virgin soil) one-third, one-third sand, one-third very old decomposed manure, mix them thoroughly, then prepare boxes with holes in the bottom for drainage, fill these boxes two-thirds full of this compost, and plant the seeds, each in separate boxes, and in thickness according to the size of the seed, then sift over them good sand and loam only, about 1½ to 2 inches, and over this cover about an inch of sawdust, then sprinkle with a fine syringe or water pot, the sawdust keeps the surface from baking. Keep the boxes in a light and cool place, free from the sun (which dries the surface) till the seeds are up and show 2 or 3 leaves, then bring gradually into the sun and air.

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STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

WEHLI. Madame Parepa called your Pianos the finest in the United States. I "fully endorse," that opinion. They have no "rival anywhere."

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THE TWENTY-NINTH ANNUAL SESSION OF THIS Institution will be resumed Tuesday, August 5th.

This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It occupying six large buildings with extensive shady playgrounds, covered gymnasiums, swimming pond, etc.

It possesses a most complete philosophical apparatus, and valuable collections of mineralogy and geology. It has also practical schools of Assaying, Surveying, Telegraphy, Photography, and Commercial business. For the latter a new building 150x40 has just been finished that leaves nothing to be desired.

Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course.

TERMS—(Payable semi-annually in advance) Matriculation fee, to be paid but once.....$ 10.00
Board, Lodging, Tuition in all branches, Washing and Mending of Linen, School Stationary, Medical attendance and Medicine, Baths, etc., per session of ten months.....$350.00

For further particulars apply to the President of Santa Clara College, or to St. Ignatius College, 841 Market Street, San Francisco.

34-1 REV. A. BRUNENGO, S. J., President

FREE GIFT!

A copy of my Medical Common Sense Book will be sent to any person afflicted with Consumption, Bronchitis, Asthma, Sore Throat, or Nasal Catarrh. It is elegantly printed and illustrated. 144 pages, 12mo, 1879. It has been the means in the providence of God of saving many valuable lives. Send name and post-office address, with six cents postage for mailing. The book is invaluable to persons suffering with any disease of the Nose, Throat or Lungs. Address Dr. N. B. WOLFE, CINCINNATI, O.

49:1b

☞SEND THE FARMER ABROAD.☜

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, to send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a JOURNAL as the CALIFORNIA FARMER. We know our JOURNAL is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the HOME CIRCLE everywhere, as a JOURNAL free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, SPECIAL PREMIUMS OF SEEDS are donated with the paper, to benefit our State. See new subscription prices.

FREE A VALUABLE PACKAGE OF GOODS. SEND stamp. Box 48, Sandwich, Ill. 48:1b

Miscellany.

Gatherings along the way side,
Floating gems by every tide.

TEA TO PRESERVE BEAUTY.

A new tea has (says the *European Mail*) just been introduced into Paris, which has the virtue of preserving the brilliancy and beauty of early youth up to the ripest age. This tea is called the Serkya tea. It is composed of exquisitely refreshing and balsamic plants, growing on the foot of the mountains of Mecca and Libanus. It has the property of rendering the skin firm and soft, and gives a youthful and fresh color to the complexion. It is, moreover, so pleasant to the taste that the sultanas of the East make it their daily and favorite beverage. This tea was first discovered by the Dervish Cheikh-Omar, who made it known to the Sultan Osman I. It was Cheikh-Omar, also, who made known the celebrated Mocha coffee to his Sultan. In France it was known during the reign of Louis XIV., and perhaps it was owing to this preparation that all the women of that period were young and beautiful. The Serkya is made like any other tea. It is infused for about five minutes, and drank hot. The tea-leaves, afterward well stewed down, form an excellent *eau de toilette* for the bath.

Signal Office Reports, U. S. A.

We have been kindly remembered by Gen. Albert J. Myer, of the Chief Signal Office of the War Department, for a copy of his very valuable and complete Reports of that interesting and highly important department of our Government.

The work comprises over 700 pages in detail, of thousands of signalled warnings of coming storms, which has probably saved millions of property from wreck and ruin, both on sea and land, with many lives also. The work is illustrated with maps of the rise of the leading rivers, and of the course of the great Tornado, of Wallingford, with wreck of homes in its course. This is a most valuable scientific work to our own nation; It is worth ten times its cost to the nation.

A Dangerous Country.

In India, during the year 1877, according to statistics just published, 19,695 people were killed—47 by elephants, 819 by tigers, 200 by leopards, 95 by bears, 564 by wolves, 24 by hyenas, 1,180 by other wild animals, and 16,777 by snakes. Fifty-three thousand cattle, moreover, succumbed in the fight. On the other side, under stimulus of a reward amounting to more than £10,000, 22,851 wild beasts and 127,295 snakes have been killed—a large total in itself, but small when the losses man and domestic animals have sustained are taken into consideration.

A Warning.

A subscriber to a southwestern newspaper died recently, leaving a four-years subscription unpaid. The editor appeared at the grave and deposited in the coffin a palm-leaf fan, a linen coat, and a thermometer, a man who neglects to pay for his newspaper deserves to be cared for. Says that paper.

Ten years of ceaseless day and night labor, and the expenditure of $6,000,000, have at last completed the great Sutro tunnel for the reception of the water from the long drowned out Comstock mines. On the 30 of June a powerful engine began to discharge the water into this tunnel, from whose outlet it appeared in one hour and twenty minutes, showing a temperature at first of 101 deg., which increased to 113 deg. in eight hours. Everything has worked well, and it is reckoned that, during the first month the tunnel was used, as many as 26,800,000 gallons of water were drained from the mines, and at last accounts it was still coming—red hot.

Edwin Forrest was at one time rounding the Horn on a voyage to San Francisco. He was dreadfully seasick, and was storming up and down the deck berating "life on the ocean wave" in his most sulphurous style. The Captain of the boat, thinking to mollify the tragedian, approached him, and began extolling a sailor's condition. "Why, Mr Forrest," said he, "I love the sea. I find everything congenial above it. Indeed, as a youngster, I took to it as a matter of choice." "I don't believe you, sir," ejaculated Forrest in reply. "There never was but one man who went to sea as a matter of choice, and that was Noah, for if he had remained on shore he would have been drowned."

French papers claim that the wealth of France has increased during the last ten years at the rate of $750,000,000; and, if their own estimates are correct, there is more wealth, public and private, in France to-day than in Great Britain. The correctness of this statement may, perhaps be questioned, but it is unquestionably a fact that for the last few years France has been the most prosperous country in Europe.

A good square kick will sometimes help a man farther along in this world toward independence and prosperity than a dozen pulls by the hand.—*Derrick*. We know several men whom we would advise to help along toward independence and prosperity.

It will be found that strawberry runners are growing freely now. If large fruit be desired another year, cut them off as soon as discovered.

MAIN & WINCHESTER

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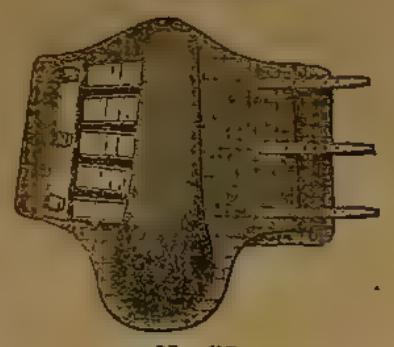


No. 35.

ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47'20

B. GRAVE & CO.,

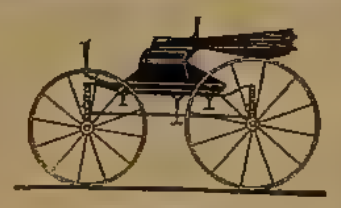
CARRIAGE MANUFACTORY

The only Builders of the

OPPENHEIM DOUBLE BUGGY,

—AND—

ROCKAWAY COMBINED.



SINGLE.

DOUBLE.

421 and 423 PACIFIC STREET,

SAN FRANCISCO.

49:11

SAN FRANCISCO CORDAGE CO.

ESTABLISHED 1856.

Have constantly on hand a full supply of all kinds of Manila and Steel Rope manufactured from the PURE Fibres—and by the latest improved machinery All our Manila Rope GUARANTEED

HAY ROPE.

The special advantages of Rope for baling purposes, are the uses to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for Halters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when baled with Rope.

FOR SALE BY ALL DEALERS.

TUBBS & CO.,

611 AND 613 FRONT STREET,

SAN FRANCISCO.

49:7

THE

Queensland Almanac.

LAW CALENDER AND DIRECTORY FOR 1879,

For Brisbane, Queensland.

TWENTY-FIRST YEAR OF PUBLICATION.

A complete Directory of all the interests of Queensland—A valuable work of over 500 pages.

Price, $1.50 Mailed.

For sale at THE CALIFORNIA FARMER Office. Warren & Co. Agents for Publishers.

BOOK

—AND—

JOB PRINTING.

POSTERS, CARDS,

—AND—

CIRCULARS,

PROMPT, CHEAP AND GOOD

AT THE LARGEST PRINTING HOUSE

On the Pacific Coast.

COMMERCIAL

STEAM MAMMOTH

PRINTING HOUSE.

FRANCIS, VALENTINE & CO.,

517 CLAY STREET. 44:1

THE BEST WAGON ON WHEELS

IS MANUFACTURED BY

FISH BROS. & CO.,

RACINE, WIS.

WE MAKE EVERY VARIETY OF

Farm, Freight and Spring Wagons,

And by confining ourselves strictly to one class of work; by employing none but the

BEST OF WORKMEN,

USING NOTHING BUT

First-Class Improved Machinery and the Very Best of Selected Timber,

AND BY A THOROUGH KNOWLEDGE OF THE BUSINESS, WE HAVE JUSTLY EARNED THE REPUTATION OF MAKING

"THE BEST WAGON ON WHEELS."

We give the following warranty with each wagon:

We Hereby Warrant the FISH BROS. WAGON, No. ———, to be well made in every particular and of good material, and that the strength of the same is sufficient for all work with fair usage. Should any breakage occur within one year from this date by reason of defective material or workmanship, repairs for the same will be furnished at place of sale, free of charge, or the price of said repairs, as per agent's price list, will be paid in cash by the purchaser producing a sample of the broken or defective parts as evidence.

Racine, Wis., Jan. 1, 1878. {Titus W. Fish, Edwin B. Fish, Jno. C. Hudgins,} FISH BROS. & CO.

Knowing we can suit you, we solicit patronage from every section of the United States. Send for Prices and Terms, and for a copy of our AGRICULTURAL PAPER to

FISH BROS. & CO., Racine, Wis.

—OR—

GEO. A. DAVIS,

Manfacturers' Agent for Pacific Coast,

327 MARKET STREET,

48:17 SAN FRANCISCO.

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS

To all Parts of the United States.

J. F. FARNWORTH. - - - - - - - - - - M. T. BREWER.

NOW IS YOUR TIME TO ADVERTISE.

ADVERTISERS ABROAD AND AT HOME.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows:—All line advertisements will be ONE DOLLARS for Five Lines, or less, Nonpareil, *first insertion*; larger space, *Fifteen Cents per Line*; each subsequent Insertion, *Ten Cents per Line*. This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community.

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $20.00

For one-eight of a column, three months..... $15.00 | For one-half of a column, three months..... 60.00
For one-quarter of a column, three months ..... 30.00 | For an entire column, three months..... 100.00

For a single month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable, the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rates.

WARREN & CO., Proprietors,

320 CLAY STREET, SAN FRANCISCO.

COMMISSION

SALES-ROOM,

—AND—

Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of MERCHANDISE for our FARMERS or MECHANICS, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and every article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 5 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine Patent Bee Hives of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,

320 Clay Street,

SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Liniment for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Liniment is needed, as it has been proved to be the best Liniment known.

FOR SALE,

Wholesale and Retail,

WARREN & CO.,

320 Clay Street,

AGENTS FOR DAVID CLARKE'S REMEDIALS.

Australia and New Zealand!

IMPORTANT INFORMATION.

Just Received at this Office

CLARKE'S

ILLUSTRATED QUEENSLAND

ANNUAL.

Containing valuable information relative to that great and wealthy section of country, and of importance to our Merchants, especially to all who do business with that country.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, January 8, 1880.

Money and Exchange Tables.

Exc. on England, new style, long and short..	4 87½ a 4 88½
Gold, at par	— 1 00
Silver, at par, in sums of	-20 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	10s 8d a 11s 6d.
Value of Club Wheat in Liverpool	11s 3d a 11s 10d.
Value of Wheat in New York, bushel	1 45 — 1 50
Brewers Barley in New York, bushel	1 00 — 1 10
Wool in New York	25 — 40

MONEY AND EXCHANGE TABLES.

The abundance of *Money* in our City and State and all over the Country seeking an investment is a proof that business is paralized to a great degree, and Capitalists, Bankers and all who have spare Capital, do not know where or how to place it for a good and permanent investment.

The astounding fact that there was poured into our Country about *Eighty Millions of Dollars* in Specie, the last year from Europe, and that by reason of our vast exports more is still coming, causes great inquiry among financiers who ask, What shall we do with our money?

This is a very important question to solve, for if this vast surplus shall be invested on schemes of *Speculation* instead of a legitimate use of it to promote the Manufacturing interest, and in erecting Warehouses, the Building of ships to transport our products abroad in our *own ships*, instead of employing foreign vessels, then we waste the golden means sent us to *build up our country*, and fail to provide for our own household.

The erection of Manufactories, the building of dwellings for the laborers, therein would give to mechanics and laborers, to thousands now idle. This would consume the raw material of wool, cotton, hides, leather, and other material, and in turn working never would consume the former products, thus giving life and business to all. And then the millions that is now hoarded, or laying "Rolled up in a nap kin," would be put into use for the upbuilding of our whole country, and in turn making the people all industrious and prosperous.

The fact is patent that *money is too abundant to make good times*. Money in our city seeks for borrowers, rates here and abroad is 7 to 10 per cent., yet can be had on long safe loans at 5 @ 6 per cent.

Money in Europe abundant, 2 @ 3 per cent with overflowing treasuries, both England France and Germany.

The people now await to see what the New Legislature will do to set the wheels of business in motion.

The hurry, bustle, joy, and pleasure of the Holiday Season has greatly interrupted what little business was stirring but that little was easily done.

GRAIN AND FLOUR MARKET

The *Grain Market* has been very firm and steady for nearly three weeks, with one or two *spurts* to make a rise on the price. This was a Chicago move but it did not succeed, and price came back to the legitimate value.

The *Shipment of Grain* in December was equal to about one cargo per day and more Grain and Flour has been sent abroad with Breadstuff the past shipping year than in the year of 1878, and a little more in value also.

There is a promising opening for 1880 that January will port a cargo per day for the month. Great efforts are made to "Boom" up the price, but the immense stock on hand at the East and the large quantity on the way to Europe will check a rise to any great extent and it is better that our holders hurry off the stock on hand, for the amount of grain that has and will go into the ground for next year's harvest will be at least *Fifty* per cent in acres over 1879. So that it would not do to hold over grain for another year—our quotations are fully up to the mark.

The *Mark Lane Express* latest dates says:

The annual crop returns from 441 correspondents, representing every county in England, fully confirms the worst accounts regarding the serious failure of crops. The *Express* says: The returns are the most discouraging we have ever published. Of 429 districts from which returns were collected not one produced a Wheat or Pea crop of over an average. Only two represent a Barley crop, and only six a Bean crop, as over the average. Oats is the only crop that is thoroughly bad. An examination of ten years' tables will show that we have had worse Oat crops and as bad a Bean crop; but for Wheat, Barley, and Peas, there has been no year of the ten, and we might go further back, nearly so unfruitful. Even with respect to Oats and Beans, if weight and quality be taken into account, no year of ten has given such bad results. As to Wheat, the disastrous failure of the crop is most strikingly shown by the fact that only four out of 429 returns represent it as up to the average. The remarks of our correspondents as to the condition of Grain and Pulse are as disheartening as their accounts of the yield.

The *Barley market* is none too active, and prices tend to lower figures as there is a heavy stock on hand, and although there is some demand and shipments overland and also to Australia, barley favors the Buyer.

The demand for *Oats* is *Nil*—few buyers only.

The market for *Corn* is more active.

The market for *Feed Grains*, some little change in prices but no very active demand. The *Hay market* is specially dull.

Rye and *Buckwheat*, but little demand or sale.

The *Hop market* is now cleared out and quiet reigns, the effervescence is subsided by the clearing out of all the stock in the market save perhaps some 4 or 500 bales, these are merely held by one or two men.

The *Honey market* is on the advance, receipts small, prices higher, sales quicker. Choice white honey brings the top of the market.—*Beeswax* wanted.

The *Bean market* now takes a higher stand for its crops—Beans are shipped to China and Japan and to Europe as well as Australia and other places. It is one of our great articles of export now, and pays the grower well.

The *Potato market* is in better condition, price grown better, the quantity received grown less, and they bring better rates—See our market table. *Onions*: few in market and prices higher.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 75 — 1 80
do Choice do.	1 85 — 1 85
do Milling do.	1 97½ — 2 00
Barley, per 100 lbs., feed	87 — 75
Barley, for brewing, (Chevalier)	1 65 — 1 75
Rye	1 10 — 1 20
Oats, California, per 100 lbs.	1 15 — 1 40
Corn, do. do.	80 — 1 05
Flour, Superfine, per bbl	4 25 — 4 50
do. Extra	5 00 — 5 50
Extra Flour for shipping	5 50 — 6 00
Very Extra Family Flour	6 25 — 6 75
Oregon Superfine	4 25 — 4 50
do. Extra for Shipping	5 50 — 6 00
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 50 — 1 65
Bran per ton	15 00 — 16 00
Middlings per ton	[illegible] — 22 00
Ground Barley	18 00 — 20 00
Oil Cake Meal, for feed, per ton	— 34 00
Beans, per 100 lbs, various	1 50 — 1 75
Beans, Lima	4 00 — 4 50
Potatoes, common	25 — 30
Potatoes, choice	60 — 75
Early Rose	30 — 40
Sweet Potatoes	1 40 — 1 50
Onions, new	75 — 85
Hay per ton, ordinary	6 50 — 9 00
Hay per ton, extra	10 00 — 11 00
Wheat Hay	11 00 — 13 00
Alfalfa Hay	—
Straw per ton	4 00 — 5 00

Retail Prices in the Fruit Market.

Our *Fruit market* shows well, even amid the heavy rain storms, and the frost, and the ice, which has been more severe than we Californians are accustomed to.

We have no strawberries now, "Jack Frost" has scotched them all, but we have fine apples and a few fine winter pears. With a full supply of Nuts, Raisins, Figs, and a choice lot of our California Oranges, Lemons, Limes, etc. although "Jack Frost" was rather severe on our "Orange Groves" in our Southern Counties, as well as all over our State. But nothing serious to the trees, only to the most tender fruits and blossoms.

Apples, per box	75 — 1 50
do. do. lb	0 — 3
Pears, per box	1 25 — 2 00
" per lb	6 — 8
Figs, dried, per lb.	12 — 15
Fresh Figs, per lb	10 — 10
Australian Oranges, per doz	40 — 75
" Lemons, per doz	40 — 50
Tahiti Oranges, per doz	20 — 30
Lemons, imported, do.	20 — 50
Limes, do. do.	20 — 25
Pine Apples, each	50 — 1 00
Bananas, per bunch	2 50 — 4 00
California Oranges, per dozen	30 — 1 00
" Lemons, "	30 — 50
" Limes, "	15 — 25
Strawberries	— — —
Raspberries	— — —
California Walnuts, per pound	8 — 12
Almonds, hard shell, per pound	12 — 15
do. soft shell, do.	10 — 16
Foreign Pecan Nuts	12 — 15
Madeira Nuts	15 — 15
Foreign Brazil Nuts	15 — 20
Filberts	12 — 15
Chili Walnuts	7 — 10
Pea Nuts	8 — 10

Retail Price in the Vegetable Market.

The display in our *Vegetable market* is enough to satisfy all our housewives, for they can find all they wish and at a very low price too.—Our markets are full of good things.

Asparagus	— — —
Artichokes, (French) per doz	10 — 15
Tomatoes, per lb	— — 25
Beets, per doz	8 — 10
Broccoli, each	8 — 10
Cauliflower	8 — 10
Cabbage, do	— — 25
Carrots, per doz	75 — 1 00
Celery do	— — 75
Celery Root per dozen	10 — 12
Cress, per dozen bunches	60 — 80
Cranberries, per gallon	30 — 40
Dried Herbs, per doz	— — —
Green Peas, per lb	10 — 12
Lettuce per doz. bunches	5 — 6
Onions per lb	10 — 12
Horseradish, per lb	— — 50
Okra, green, per lb	— — 50
Okra, dried, per lb	1½ — 2
Choice Potatoes	2 — 3
New Potatoes	1 00 — 1 50
Potatoes choice, per 100 lbs	2 — 3
Kidney Potatoes, per lb	1½ — 2
Pumpkins	— — 15
Parsnips, per doz. bunches	— — 15
Salsify, do. do.	15 — 20
Parsley, do. do.	40 — 60
Pickles, per gallon	— — 8
Radishes per doz. bunches	— — —
Rhubarb, per lb	— — 4
Squash, Marrowfat	8 — 10
do. Hubbard	2 — 3
Lima, Dry	5 — 6
String Beans, per lb	— — 3
Spinage per lb	4 — 5
Salsify, per bunch	— — 15
Turnips, per doz	8 — 10
Garlic	15 — 20
Eschalot	12 — 15
Mushrooms	— — —

Fish Market.

The *Fish market* offers a great variety of every kind that any taste may crave.

Salmon ₱ lb	8 — 10
do smoked new	6 — 8
do pickled, ₱ lb	8 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Halibut	20 — 25
Smelts, per lb	10 — 10
Perch do	10 — 10
Rockfish do	10 — 10
Codfish, dry, per lb	8 — 8
Herring, fresh, per lb	20 — 25
do smoked, ₱ doz	— — 12
Tomcod, per lb	10 — 10
Sardines, fresh, per lb	— — 20
Solefish, per lb	15 — 25
Mackerel pickled, each	— — 10
Shrimps, per lb	12 — 15
Flounders do	15 — 20
Sea Bass do	20 — 25
Halibut do	20 — 25
Sturgeon do	25 — 30
Turbot do	2 50 — 3 00
Terrapin, ₱ doz	2 50 — 2 50
Pompono do	— — 25
King Fish do	12 — 15
Anchovies do	2 00 — 2 50
Frogs, per doz	— — —

Shell Fish.

The *Shell Fish market* now gives to the epicure all he may crave. As fine *Bivalves* in our markets as in any market in the Eastern Cities.

Oysters ₱ 100 choice	60 — 75
Chesapeake oysters per dozen	50 — 75
Raw Fish, per lb.	12 — 15
Clams per 100	— — 50
Mussels do	— — 25
Crabs, boiled, each	— — 25
do. soft, per doz	— — 50

Retail Meat Market.

The *Retail Meat markets* shows a well supplied and complete as any Meat Market in our Union.

Porter House	16 — 16
Porter House, extra	18 — 20
Beef, tenderloin, per lb	15 — 18
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	8 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	8 — 10
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	6 — 8
Beef tongues, each	— — 75
Pig tongues, each	— — 15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	18 — 15
Choice hams, Duffield	15 — 16
Whitaker, St. Louis, Mo	15 — 16

Poultry and Game Market.

The *Poultry Market* is fully supplied and the demand keeps up with it so as to make prices steady.

Game of all kinds is very abundant, and prices low enough to satisfy the closest purchaser—no person need go hungry now with our markets so full, and prices so reasonable.

RETAIL PRICES.

Ducks tame each	75 — 90
Geese tame, per pair	2 00 — 2 50
Brolers	40 — 50
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	22 — 25
Pigeons, domestic, per doz	4 00 — 4 50
Quail, per doz	1 50 — 2 00
Hares each	25 — 38
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Venison	10 — 15

Poultry and Game—Wholesale.

Broilers, per doz	3 00 — 4 00
Large Chickens, per doz	5 00 — 6 50
Hens, per doz	6 00 — 7 50
Turkeys, dressed, per lb	18 — 22
Ducks, tame, per doz	5 50 — 7 00
Quail, per doz	1 00 — 1 50
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Rabbits, tame, per doz	1 50 — 1 75
Squirrels, per doz	75 — 1 00
Venison	5 — 8

Retail Dairy Market.

The *Dairy market* is so fully supplied that prices have fallen and Home Stock and Foreign are all lower in price as will be seen by our quotations.

Home made *butter*, our Fresh roll butter is good, but packed butter there is to much of it poor—while the Eastern butter most of it is not fit to eat.

Cheese is plenty and quite low in price.

Eggs are coming in so freely that prices have fallen 50 per cent in a few weeks.

Butter, California, Extra Choice per lb	30 — 35
do. do. for (Cooking) do	20 — 30
do. do. packed best roll	25 — 30
do. do. Eastern	20 — 25
California Eggs, per doz	30 — 35
Oregon	25 — 30
Duck Eggs, do	25 — 30
Cheese per lb	15 — 20
do. Sage, per lb	25 — 30
Eastern Cheese, do	25 — 30
Lard, California, per lb	10 — 12
Lard, Eastern, do.	— — 12
Honey, Comb	15 — 18
do. Strained	10 — 12
Vermont Maple Sugar, per lb	20 — 25

Dairy Produce, Eggs, etc.—Wholesale.

Butter, California, per lb. (Fresh)	25 — 30
do. Packed Roll, do.	20 — 25
Eastern Butter	16 — 20
Cheese, California, per lb	12 — 13
California Eggs, per doz	28 — 30
Eastern Eggs, per doz	16 — 20
Duck Eggs, "	25 — 25
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	13 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging Market* is considerably excited with hope for high prices *next season*, the present is over—the enormous area of land that will be planted with grain this year induces a belief that the amount of *twenty eight or thirty million* sacks will be wanted for the harvest of 1880, gives a good assurance of higher rates for bags, which now rule @ 10 @ 10½.—One thing is very certain the great abundance of rain gives a goodly assurance of this now.

Hand Sewed Bags, Standard, 21x36 com. prices	10 — 10½ cts.
Second Hand, Extra	9 — 9½ do
Machine Sewed, 22x36	8½ — 9 do
do. do. 20x36	— 8½ do
Barley Bags, 22 x 40	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— 8½ do
Wool-sacks, new	45 — 50 do
do. second hand	30 — 40 do
Potatoe Gunnies, Double Sewed	14 — 15 do
do. do. Second Hand	10 — 10½ do
Flour Bags, quarters	4½ — 5 do
do. halfs, six qualities	7 — 9 do

Staple Home Products.

Our *Home Products*. The large and increasing amount of our Raisins (the famed raisins of R. B. Blower that excel all the imported,) together with our dried and preserved fruits, our nuts, almonds, oranges, and lemons, that are now shipped abroad, give assurance that the Golden State will soon drive all foreign fruit of this kind out of the market, for we can grow and produce these articles better and cheaper than any nation of earth.

Flax Seed, per lb	2½ — 3
Hemp Seed, per lb	6 — 7
Castor Beans, per lb	3 — 3½
Castor Oil, No. 1 Diamond in cases, per gallon	— — 1 00
" " " barrels "	— — 1 50
Castor Oil, No. 2 Diamond in cases per gallon	— — 90
" " " barrels "	— — 85
Linseed Oil, Boiled	— — 78
do. Raw	— — 65
Cocoa Oil	— — 16
Hops, California	18 — 33
Hops, new	8 — 10
Alfalfa	4 — 6
Mustard Seed	4 — 5
English do.	2½ — 3½
Canary Seed	8 — 10
Coriander Seed	3 — 5
Broom Corn	23 — 25
Bees Wax	— — —

California Leather Market Report.

The *Market for Leather, Hids* and *Tallow* are all quite active with full prices, and a turn upward. Many change, tallow is the least active.

California Sole Leather	25 — 30
do. Harness do.	28 — 30
do. Skirting,	30 — 37½
Bridle Leather	40 — 45
Rough do. Oak Tanned	15 — 22
Waxed Calf Skins	50 — 1 00
do. Kips do. per dozen	30 00 — 55 00
do. Leather per foot	15 — 15

Wool, Tallow, Hides, Etc.

The *Wool Market* is completely bare. Our New York Boston, and Philidelphia reports all speak of good demand and high rates.

We have the excellent wool, stock and land report of Messrs. Falkner, Bell, & Co., also the wool report of Messrs. E. Grizar & Co., full of valuable data, from these we shall give particulars in our next.

The wool and sheep interest have greatly improved in the last six or eight months, and sheep that were sold @ 50 cents per head or given away, are now worth $2,00 to $3,00 each

Better times coming, Sheepmen!

Wool, Spring Clip	23 — 27
do. Choice Extra	28 — 30
Fall Clip	12 — 25
Oregon Wool, per lb	15 — 30
Eastern Oregon	15 — 20
Medium, bright	15 — 17
do. Burry	13 — 15
Goats' Wool (mohair)	30 — 75
Dry Hides, per lb	8 — 20
Green Salted, per lb	8 — 9
Deer Skins	50 — 1 00
Sheep Skins, wool on	25 — 75
do do. plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	5 — 6½
Tallow, refined	7 — 8

Average Slaughtering Prices.

The *Wholesale Cattle Market* has improved lately in the quantity and quality offered in market—prices have taken a higher rate for *Choice Beef* and *Calves* are scarce and higher. *Lamb* is higher. *Mutton* steady. *Hogs* on hoof, and dressed, are both higher.

Beef, American, 1st. quality	7 — 8 cts.
do. do. 2d. do.	6 — 7 do.
do. do 3d. do.	4 — 5 do.
Veal	6 — 7 do
Mutton	4 — 5 do
Lamb	7 — 8 do
Pork, Undressed	3 — 3½ do.
do. Dressed	4 — 5 do.

Stands unequaled for ease of draft, the Horse-Power trial, as shown by the records, with more than one-third less friction than any other. The only machine awarded a

CENTENNIAL MEDAL

on both Horse-Power and Thresher and Cleaner, at the Centennial Exhibition, as shown by Official Report, which says: "For special Commendation in the Purpose to secure light running and minimum Friction. For the ingenious form of the Straw Shakers, which insures the proper agitation to separate the grain from the straw." For Catalogue, Price-List, and full report of trial, address

MINARD HARDER, Cobleskill, Schoharie Co., N. Y.

49:21 1m

Sydney International Exhibition.

ROUND THE WORLD TICKETS.

THE PACIFIC MAIL STEAMSHIP COMP'Y

Will issue **Round the World Tickets.** giving first-class accommodations for the entire route, at the low price of **$650.** For particulars apply to

WILLIAMS, DIMOND & CO.,

General Agents,

Corner First and Brannan Streets.

49:15

JOHN SAUL'S

CATALOGUE OF NEW, RARE AND BEAUTIFUL plants will be ready Feb. 1st, with a colored plate. It is full of really good and beautiful plants—new Dracenas; new Crotons; new Pelargoniums; new Roses; Geraniums; Clematis, etc., with a rich collection of fine foliage, and other greenhouse and hothouse plants, well grown and low prices; Free to all my customers, to others 10 cents, or a plain copy free. Catalogues of Seeds and Roses free. Address **JOHN SAUL**, Washington, D. C.

C. P. R. R.

COMMENCING

SUNDAY, JUNE 6th, 1875,

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:00 A. M., Sundays excepted. Vallejo Steamer, (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma. (Arrive 8:55 P. M.)

8:00 A. M., (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redding and Portland, O., Colfax, Reno, Ogden and Omaha. Connects at Niles with Trains arriving at San Jose, 12:35 P. M. (Arrive 5:35 P. M.)

8:00 A. M., Sundays only, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with trains for Calistoga and Sacramento, and at Napa with Stages for Sonoma. (Arrive 8:55 P. M.)

3:00 P. M., Daily, San Jose Passenger Trains, via Oakland, stopping at all Way Stations. (Arrive 9:35 A. M.)

4:00 P. M., (Daily,) Passenger Train (via Oakland) to Stockton only, connecting at Lathrop with Express Train for Merced, Visalia, Stemmer, Calluate and Los Angeles Also at Niles with Train arriving at San Jose 6:55 P. M. (Arrive 12:40 P. M.)

4:00 P. M., Sundays excepted, Vallejo Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Calistoga, Knight's Landing and Sacramento. (Arrive 11:10 A. M.)

4:00 P. M., (Daily) Sacramento Steamer (from Broadway Wharf), touching at Benecia and Landings on the Sacramento River. Taking the Overland Third Class Passengers to connect with Train leaving Sacramento at 9:00 A. M., daily. (Arrive 5:50 P. M.)

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND

"Daily" 7:00, 7:30, 8:00, 8:30, 9:00, 9:30, 10:00, and 11:00 A. M., 12:00, 1:00, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00, 6:30, 7:00, 8:10, 9:20 and 10:30 P. M.

"Daily, except Sundays"—6:10 A. M. and 11:45 P. M.

"Sundays only"—10:30 and 11:30 A. M.; 12:30 and 1:30 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00, 10:00, A. M.; 12:00, 2:00, 4:00 5:00 6:00 and 10:30 P. M.

"Sundays only"—11:00 A. M., and 1:30 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 and 10:00 A. M.; 5:00 and 10:30 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—7:30, 8:30 and 9:30 A. M.; 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10 and 9:20 P. M.

"Daily, except Sunday"—6:30, 11:00 A. M. and 11:45

"Sundays only"—10:30, 11:30 A. M. and 12:30 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 and 10 10 P. M.

"Daily, except Sundays"—5:10 and 5:50.

"Sundays only"—11:40 A. M., and 1:25 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—7:00, 8:03 and 9:00 A. M.; 3:00, 3:38, 5:00, 6:09 and 7:00 P. M.

"Daily, except Sundays" 5:00, 5:40, 11:30, A. M., and 1:30 P. M.

"Sundays only"—10:00, 11:00 A. M., 12:00 and 1:00 P. M.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily, except Sundays"—6:55, 8:00 and 11:05 A. M., 3:50 and 5:05 P. M.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:50 and 11:50 A. M.; 12:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:30, 6:50, 7:20, 8:00, 9:10 and 10:20 P. M.

"Daily, except Sundays" 8:20 A. M. and 1:50 P. M.

"Sundays only"—10:20 and 11:20 A. M.; 12:20, 1:20 and 1:35 P. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

SUMMER ARRANGEMENT.

Commencing Monday, April 21, 1879,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows:

8.20 A. M., *Daily* for San Jose and Way Stations.
Stages for Pescadero (via San Mateo) connect with this train only.

9.30 A. M. *Sundays only* for San Jose and Way Stations. Returning, leaves San Jose at 6 P. M.

10.40 A. M. *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Salinas, Soledad, and all Way Stations.
AT PAJARO the SANTA CRUZ, R. R. connects with this train for Aptos, Soquel and Santa Cruz. At Salinas the M. & S. V. R. R. connects with this train for Monterey.
Stage connections made with this train. (Pescadero Stages via San Mateo excepted.)

Parlor Car Attached to this Train.

(SEATS AT REDUCED RATES.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, Pajaro, Hollister, Tres Pinos and principal Way Stations.
SPECIAL NOTICE—The trains of the Santa Cruz R. R. and the M. & S. V. R. R. which have been connecting with this train on Saturdays at Pajaro and Salinas respectively, have been withdrawn for the season. Those intending to visit Aptos, Soquel, Santa Cruz or Monterey, will take the train leaving San Francisco at 10:40 A. M., daily.

3.30 P. M. *Sundays only* for San Jose and Way Stations.

4.25 P. M. *Daily Sundays excepted* for San Jose and Way Stations.

5.00 P. M. *Daily Sundays excepted* for Menlo Park and Way Stations.

6.30 P. M. *Daily* for Menlo Park and Way Stations.

Excursion Tickets at Reduced Rates

To San Jose and intermediate points, sold on Saturdays, and Sunday morning, good for return until following Monday inclusive, as follows:

Baden	$0.50	Fair Oaks	$1.50
San Bruno	0.60	Menly Park	1.60
Millbrae	0.65	Mayfield	1.75
Oak Grove	0.90	Mountain View	2.00
San Mateo	1.10	Lawrences	2.25
Belmont	1.25	Santa Clara	2.50
Redwood	1.40	San Jose	2.60

Also, EXCURSION TICKETS to Aptos, Soquel, Santa Cruz and Monterey, sold on Saturdays only—good for return until the following Monday inclusive.

SECOND-CLASS FARE.

Between San Francisco and San Jose, - - $1.00

On Freight Trains only, leaving San Francisco at 4:00 A. M., and San Jose at 5:30 P. M. (daily Sundays excepted).

Principal Ticket Office—Passenger Depot, Townsend Street. Branch Ticket Office—No. 3 New Montgomery Street, Palace Hotel.

A. C. BASSETT, Superintendent.
H. R. JUDAH, Ass't Passenger and Ticket Agent.

SOUTHERN DIVISIONS.

Passengers for points on the Southern Divisions of the road will take the cars of the Central Pacific Railroad via OAKLAND, leaving SAN FRANCISCO, via Ferry Landing, Market street, at 11 00 P. M. daily, and making close connection at GOSHEN for Sumner, Mojave, LOS ANGELES, Wilmington, Anaheim, Colton, Colorado River, YUMA and CASA GRANDE. (182 miles east from Yuma.)

Will it Bite?

Try and See! 10 cents and stamp fetches the "Critter." It will make you laugh. Remember it is only 10 cents, and stamp. Box 409, Sandwich, Illinois. Mention this paper. 49:1

1854. 1879.

THE CALIFORNIA FARMER

FOR 1879.

THE CALIFORNIA FARMER completes its TWENTY-FIFTH year with 1878, and is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

The California Farmer

Established in 1854, has been the PIONEER HERALD the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast, this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on the Coast—this was at Sacramento in the year of 1852, and the GRAND FAIR at San Francisco in 1853—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in their early days, and at individual cost.

THE CALIFORNIA FARMER was the first and only advocate of SILK CULTURE, TEA CULTURE, COFFEE CULTURE, COTTON CULTURE, and the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS, and this was in early years when the masses lightly esteemed all such enterprises.

THE CALIFORNIA FARMER was the FIRST and ever advocate for the planting of the ALFALFA as a forage plant, and the first to introduce the seed and its culture, and not only this grass, but all other valuable grains and forage plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STONED WHEAT, of SUMMER FALLOW, of SUBSOILING, and of DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL—doctrines that have now, after long years of trial become the basis of true and successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE OF AGRICULTURE, which such years of labor merit, the JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

The TERMS OF THE CALIFORNIA FARMER being placed at a low price, should induce, as we trust it will, a generous addition to our LIST OF SUBSCRIBERS for the year of 1879.

Desirous of placing this old PIONEER AGRICULTURAL JOURNAL, (The only exclusive AGRICULTURAL JOURNAL of the Pacific Coast), before the people at so low a price that all can have it, we make the following

Terms for the Year 1879.

And With Seed Premiums.

Single Copies,	$1 50
Six Copies,	7 50
Ten Copies,	15 00
Twenty Copies,	30 00
Fifty Copies,	150 00

CITY SUBSCRIBERS

Will have their Papers Delivered at their Residence or Post Office Box, as they may desire.

California Farmer, 1879.

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We propose for the year of 1879 to offer to our Patrons the following valuable JOURNALS in connection with ours, all at reduced rates, so as to give them the best work at low rate—(all postpaid). Price per year.

The FARMER and VICK'S MONTHLY MAGAZINE	$1 50
The FARMER and AMERICAN AGRICULTURIST	3 00
The FARMER and POULTRY JOURNAL	1 50
The FARMER and RURAL NEW-YORKER	3 00
The FARMER and PHRENOLOGICAL JOURNAL	3 00
The FARMER and AMERICAN BEE MAGAZINE	1 50
The FARMER and SCIENTIFIC AMERICAN	3 50
The FARMER and HARPER'S MONTHLY	3 00
The FARMER and HARPER'S WEEKLY	3 00
The FARMER and HARPER'S BAZAR	3 00
The FARMER and HARPER'S THREE WORKS	5 00

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CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, JANUARY 29, 1880. NO. 22.

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

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DAVID CLARKE, Chemist, Warwick, Queensland.

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☞ Our full Advertising Rates will be found on the [illegible]

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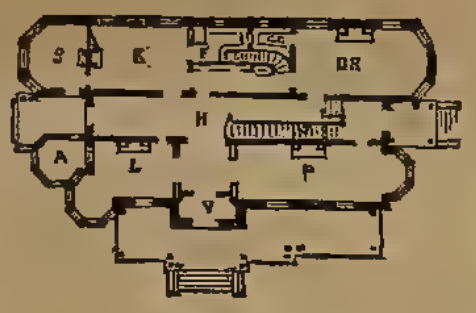
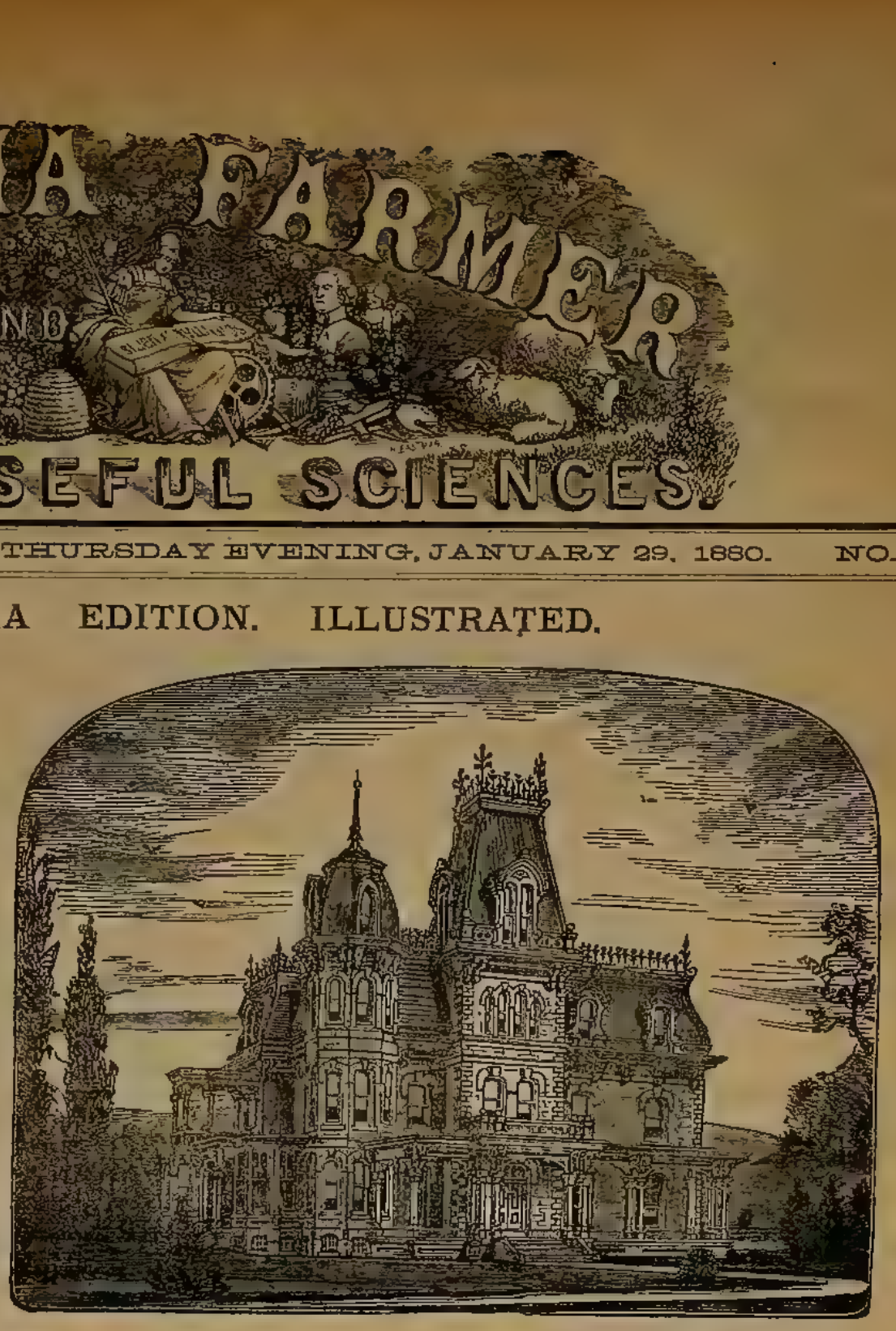




DESIGN AND PLANS FOR A MODERN VILLA

EUROPEAN.

From our Special Correspondent.

PARIS, January 1st, 1880.

THE PHYLLOXERA EXPERIMENTS.

M. Louis Faucon's plan for destroying the phylloxera by submersion, having been called in question, that gentleman now examines the subject of destructive agents employed against the bug generally, and also investigated on the spot the instances where inundation failed. At the outset, it is well to state, that M. Faucon's vineyard of 56 acres has yielded during the recent vintage, over 46,000 gallons of wine, where formerly he had almost none, and that in the Medoc or Claret district his system is becoming rapidly adopted. The system is, to flood the vines during the repose of the sap, that is to say, after the vintage; in the case of strong clays the submersion ought to endure 55 consecutive days, for more friable soils, 65 days, and more permeable land, 75. The sheet of water ought to vary from 6 to 9 inches in depth, and by forcing the oxygen out of the water suffocates the bug most effectually. For a similar reason, the water should remain stationary or stagnant. In the trenches made to conduct the water, care must be taken that no root of the vine be left exposed, as if so, the phylloxera will seek a refuge on it as if it were a raft. It is this circumstance that M. Faucon has found a few undrowned insects in his vineyard, and which opponents seized as evidence of failure, after the flooding copious manuring must be employed for the greater the yield the more superior the quality of the fruit. Without citing the special cases, M. Faucon has found from personal examination, that where his system was alleged to have failed, the insuccess was to be attributed either to insufficiency of flooding or commencing too late, and the subsequent inadquacy of manuring.

At the National Agricultural School, of Montpellier, he has fairly experimented the submersion plan, side by side with the chief insecticides—the sulphurets of carbon and potash—here, an important factor in the question, the conditions were equal, and his system proved a success. In the vineyards of the plains and alluvial land, where the vines are planted in a surface soil from 6 to 12 feet in depth, the toxical vapors from insecticide preparations must be trusted, if excessive they kill the plant and the effect of the agent is increased. The submersion and manuring are annually cultural operations.

MOVEMENTS OF THE PHYLLOXERA.

In spite of these precautions, how explain the invasion of the phylloxera in Summer? M. Faucon has traced the cause to the insects coming to the surface and marching over the soil to wherever the vine roots are most juicy; he has demonstrated this in the case of his neighbors' vines, where the infection raged. He went farther, he placed in the direction of infected vineyards a band of oiled paper, 10 inches by 6, on a stick, in July and August; the oil was constantly renewed and many insects caught, but no phylloxera till the 29th of August, when a strong north east breeze of a few hours duration, projected 19 young aptere phylloxera on the paper. What then must be the numbers carried by the wind during the two or three months the insects remain on the surface of the soil! This is the origin of the Summer infection, or re-invasion of the disease. M. Faucon has never been able to find in the South of France either the eggs of the insects, or sexual phylloxera capable of producing them. In testimony of his successful efforts against the scourge, M. Faucon has lately been entertained at a banquet and elected President of a society to promote the submersion process.

SEVERE WINTER IN FRANCE.

The extremely rigorous winter, now hoped to have shown its worst, has so far not been bad for Autumn sown crops, which were effected under very favorable conditions; and were protected during a severe frost by a heavy layer of snow.

The danger lies in the weather ceasing to be henceforth a Wintry Spring. The ordinary clearing-up out-door-farm-work has been brought to a standstill; even the threshing operations had been suspended. The manufacture of sugar from beets, has had to be conducted under exceptional difficulties, as the pulp, where the juice is extracted by the cold process, becomes frozen in the bags, and the press-work is very trying for the work men. Further, a good deal of beet yet remains also or preserved in trenches, and tons of it are laying, more or less, well-stored on the banks of rivers and canals. Trees, young ones especially, have suffered severely from the intense cold, and seed potatoes stored in cellars, have been positively destroyed, so that farmers will have to buy in Spring. Forage of all kinds is very scarce, which has led to a reduction of price in cattle, owing to the inability to feed them, they are sent to the market. The preserved residuum of grapes and apples, *marc*, is given to stock with advantage when warmed.

[TO BE CONTINUED.]

THE FARMER'S GRAIN BAGS.

If our *Grain Growers* are wise, now is the time for them to think about their Grain Bags for the coming crop of 1880.

As the numbers of acres sown with grain this year will be very large, much more than last year it is evident that the number of Bags that will be wanted will be about *Thirty Millions*, and that even with all the "Hold over" lots, all will be used that are on hand or that comes to this market, and as every thing abroad has tended to increase the *cost of Importation*, Bags cannot be lower and must be higher as the season advances, therefore those of our grain growers that have means, now is the time to buy or to make contracts—we think better contracts can be made now, while business is dull than by-and-by when the business wheels move lively again.

It will not cost much for our *Grain Growers*, those that will have *to buy*, to call at the "Great Grain Bag Manufactory," of Messrs. Neville & Co. on California Street, and talk with that firm about Bags—now is the time we believe to secure Bags. A saving of a few cents on a bag to a large Grain Grower is quite a fortune in itself.

WASHINGTON.

From our Special Correspondent.

WASHINGTON, D. C., January 13th, 1880

COL. WARREN—*Dear Sir:*

Another political ripple in the Capitol is caused by the action of the Maine Republicans yesterday in organizing a second Legislature. Although both branches contained a large majority of members as elected by the returns, only a minority have certificates, and they will appeal to the Supreme Court, and, perhaps to the President for recognization. Both sides express confidence of success there, but as the Supreme Court of the State has already decided that Legislatures who are elected cannot be deprived of their rights by the acts or failure to act of executive officials, it looks as though the Republicans would hold the State Government in the end.

General John B. Hawley, Assistant Secretary of the Treasury, and one of the best officials connected with this administration, seems to be on the high road to promotion at the hands of his old friends in Illinois. His party demands his service as a candidate for Governor, and by the expressions of men of all parties, I should judge that they could not do better. General Hawley was in Congress three terms, and served honorably.

The Democratic Senators and members held a caucus yesterday, and agreed upon a plan of action on the appropriation bills. It is probable they will go right on with the legitimate business of the session with very little discussion, and very little delay of any kind. The spirit of the caucus seemed to favor a short session. The appropriation bills will be passed as early as possible, as they were signed by the President last year, except the bill providing pay for United States Marshals, in which the Democrats will provide against expending money for election purposes This will therefore be the only political debate which the majority in Congress purposes to have.

The Indian Commission at its late session did very little business, and left the investigation of charges against commissioner Hayt in the charge of a committee, who are now making their inquiry. The charges look ugly, and involves not only the Commissioner but the Officials in the speculations detrimental to the service, and contrary to morals.

The meeting of the national Labor party was inflicted upon us last week. At the very outset Chairman Murch raised a storm by inviting the Rev. Congressman De La Matyr to open the convention with prayer, which by the way, they all very much needed.

The name of Senator Thurman was suggested for the Greenback nomination, but it raised a storm of hisses. Congressman Weaver was then announced as the probable nominee, and this name was greeted with many cheers. Although it was advised that Greenbackers stand firmly by their principles, and take no bribes from either party, it was observed they spoke quite tenderly of their Democrats, and were not averse to a little coquettry.

MERRILL.

"Agriculture, the soul, the basis of my [illegible] life."—*Napoleon.*

OUR ILLUSTRATION.

DESIGN FOR A MODEL VILLA.

Architects describe this building—the design is an evolution of the ove laws of proportion, with a mansard roof.

It is built of a very fine stone of a peculiar rich, redish brown color, rock faced range work, with draft base of coarse, and other dressings of picked centers.

All the stone work is very fine and exact. The building is finely finished in the interior with hard natural wood.

The appearance of a building (as shown in the cut) depends very much upon the situation of the house, the advantage being in having a broad front and not too deep.

FIRST STORY—V. is the Vestibule, 6 x 12 feet; H. the Stairway, 10 feet wide, connecting main hall 10 feet, seperated by an ornamental arch connection; P. the Parlor, 15 feet wide and 30 feet long; L. is the Library and Sitting-room, 15 feet long by 15 feet wide, an Octagonal corner room, 10 feet in diameter, forming an alcove of beautiful proportions; A. is a Conservatory, connecting the library and side porch by windows coming down to the floor; D. R. is the Dining-Room, 15 wide by 26 feet long; K. is the Kitchen, 13 feet by 16 feet; S. Scullery, 15 x 16 feet.

This story is supplied with ample store room, buttery, pantry and labratory under the main stairs, also a lift from the cellar to this story.

SECOND STORY—This story contains four fine chambers, C. fig. 2, all of which are 15 feet wide, and of the following length: one with octagonal projecting tower alcove, 15 x 15 feet, alcove 10 feet; second, 15 x 25 feet; third 15 x 17 feet.

This story also contains a Dressing-Room, or Boudoir, 11 x 13 feet; a Bath Room, 11 x 10 feet, with ample linen and other closets. There is a verandah in front and a covered verandah upon its sides.

The third story will contain the same number of rooms and accomodations as the second story.

A VALUABLE RELIC.

1124 GREENWICH STREET, San Francisco, Cal.

COL. WARREN—*Dear Sir*.

It affords me pleasure to send you a cast of an Ancient STONE HAMMER OR AXE, which I hope will prove interesting.

The original was found near the "Yellow Jacket Mine," Oro Blanco Mining District, Pima County, Arizona, in the Fall of 1877, and brought to San Francisco, by Gen. George W. Deitzler, who presented it to me.

I would call your attention to the remarkable symmetry of this axe. It is evident that much labor has been expended to make it shapely and beautiful, showing that the pre-historic race by whom it was made had advanced beyond the age of the rude unpolished stone implements which are not uncommon at the same locality.

The Ancient race has left many evidences of its higher civilization, which should be carefully preserved and studied.

Taking it for granted that this relic would prove of interest to Archaeologists at home and abroad, I have had these casts made for distribution.

I have the honor to be, very respectfully yours,

HENRY G. HANKS.

THE FROST AMONG ORANGE TREES.

Col. Warren—*Dear Sir:*

Another down pour of sponge of life confirms our hopes of abundant crops and secures for our State another long step to prosperity—An unprecedented advance will be achieved in vinicultare and the plant of vines probably treble over any proceeding year.

It may be interesting to you to hear of the effect of the hard freezes. The oranges stood it manfully, the growing tips are somewhat nipped, but matured foliage and the fruit is in perfect condition. I was informed by my neighbors that some trees are injured more or less by the bark cracking or splitting along the limbs and stem of the tree, on the sunny side.—I also noticed on my trees the first sunny morning after the frost, the bark began to split to the ground, and I had several hands immediately plastering thickly the stems with clay mortar, which stopped at once the malady, it was rather a cold operation but perfectly successful if taken in time. I was directed to it by my former experience with orange trees subjected to hard freezes.

Truly yours,

ALHAMBRA GARDENS. J. STRENTZEL.

OUR SAN DIEGO LETTER.

SAN DIEGO, January 15th, 1880.

COL. WARREN—*Dear Sir:*

THE NEW YEAR ushered itself in here with seeming modesty, having put on its blandest smiles for party's of pleasure or leisure having to move out of doors.

THE CROP PROSPECTS

For San Diego county, at this date of a New Year, were never better. Our Hills and Vallies are robed in emerald green, while the young grass on our mountain sides invite our numerous flocks of sheep to the rich banquet invitingly spread before them. The ever busy *Bee* also find many flowers springing into new life from our late abundant rains, take the season, so far, the promise to the Agriculturist, Apiarist and Stock Men is all that could be desired.

CITY LOCAL NEWS.

Our leading merchants, as is their usual custom at this time of the year, have taken stock and balancing books, and find the past years trade better than expected.

OUR LOCAL NEWSPAPERS.

The *News* and *Union* are apparently flourishing, particularly the former, having the county printing as well as one of the best business women on the Coast (Mrs. Katie S. Baker) to attend to the financial and general business of said paper; it will always take first rank under her administration.

Will write again soon on general topics.

JOHN C. DALY.

Active Agents Wanted

FIFTY ACTIVE AGENTS WANTED TO CANVAS THE STATE AND COAST FOR THE

FAMED EUCALYPTUS REMEDIALS

THAT ARE NOW ACCOMPLISHING WONDERFUL CURES

This is a grand chance for Men and Women to make a very handsome salary. Apply at

FARMER OFFICE,
320 CLAY STREET, S. F.

Home Miscellany.

"There is no place like HOME.
Home! It should be Heaven on Earth

THE BOON OF MEMORY.

BY MRS. HEMANS.

"Many things answered me." Matthew

I go, I go!—and must mine image fade
From the green spots wherein my childhood played,
By my own streams?
Must my life part from each familiar place,
As a bird's song, that leaves the woods no trace
Of its lone themes?

Will the friend pass my dwelling, and forget
The welcomes there, the hours when we have met
In grief, or glee?
All the sweet counsel, the communion high,
The kindly words of trust, in days gone by,
Poured full and free?

A boon, a talisman, O Memory! give,
To shrine my name in hearts where I would live
Forevermore!
Bid the wind speak of me where I have dwelt,
Bid the stream's voice, of all my soul hath felt,
A thought restore!

In the rich rose, whose bloom I loved so well,
In the dim brooding violet of the dell,
Set deep that thought;
And let the sunset's melancholy glow,
And let the spring's first whisper, faint and low,
With me be fraught!

And Memory answered me: "Wild wish, and vain
I have no hues the loviest to detain
In the heart's core.
The place they held in bosoms all their own,
Soon with new shadows filled, new flowers o'ergrown,
Is theirs no more."

Hast thou such power, O Love? And Love replied;
"It is not mine! Pour out thy soul's full tide
Of hope and trust,
Prayer, tear, devotedness, that boon to gain—
'Tis but to write, with the heart's fiery rain,
Wild words on dust!"

Song, is the gift with thee? I ask a lay,
Soft, fervent, deep, that will not pass away
From the still breast;
Filled with a tone—O, not for deathless fame,
But a sweet haunting murmur of my name,
Where it would rest.

"EN AVANT.

I was sitting alone this afternoon—
When I fell asleep in my chair,
And a vision of fame o'er my senses stole—
A vision that promised me fair.

Methought in the distance a mountain rose—
The ragged, steep mountain of fame,
And with girded loins at the foot there stood
A youth, who bore my name.

And as I watched, with look intent,
To see what the boy would do,
He boldly sprang up the torturous path,
And soon was lost to my view.

But presently he appeared again—
Far up on the mountain side,
And the way grew rocky and hard to climb,
Yet he pressed on with sinewy stride.

And it seemed, as I gazed, that long years elapsed
And when he had reached the goal,
Instead of the slender youth, there stood
A man of vigorous mould.

God grant that my dream may come to pass,
That I shall not faint by the way—
But with vigor may press on my chosen road
Till I stand on the summit some day.

I do not ask that the sun may shine
And brighten my future all—
For well I know, from the clouds so dim
Some blessings will surely fall;

But I pray that success may have shade enough
To temper its radiant beams—
Lest dazzled I fall, in the height of my pride,
And die, midst the wreck of my dreams.

C. V.

Lynn, Nov. 15th.

KEEP.

Keep to the right as the law directs,
Keep from the world thy friend's defects;
Keep all thy thoughts on purest themes,
Keep from thine eyes the motes and beams;
Keep true thy deed, thy honor bright,
Keep firm thy faith in good and right;
Keep free from sin and stain,
Keep from the ways that give thee pain,
Keep free thy tongue from words of ill,
Keep right the aim and good thy will;
Keep all thy acts from passion free,
Keep strong in hope, no envy see;
Keep watchful care o'er tongue and hand,
Keep free thy feet, by justice stand;
Keep true thy word, a sacred thing,
Keep from the snares the tempters bring;
Keep faith with each you call a friend,
Keep full in view the final end;
Keep love between thy God and thee,
Keep from all hate and malice free;
Keep firm thy courage bold and strong,
Keep up the right and down the wrong;
Keep well the words of wisdom's school,
Keep warm by night, and by day keep cool.

TREATMENT OF CHILDREN.—In bringing up children, if we oppose violence to violence, attack passion by passion, we try to put fire out with boiling oil.

EMPLOYMENTS.—Some employments leave the mind to brood over its sorrows. Sewing and knitting-needles, for instance, do more than all romances to keep open the wounds of an unhappy attachment.

IF SUCCESS be the true test of merit, it is certainly a settled fact that "*Brown's Bronchial Troches*" have no equal for the prompt relief of Coughs, Colds and Throat troubles.

LAURA STANLEY, or THAT CLERK.

"Only think of it! A clerk! A saleswoman! It seems to me I'd have worked my fingers to the bone in some other way before I would come to that," said Lizzie Doyle, going to the mirror and readjusting a twenty dollar hat.

"So would I. But, then, what could she do?"

"At least she might have made herself a little less public. If there's anything I despise, it's these saleswomen."

"So do I. How much better it would have been to have gone into dressmaking or millinery, or something of that sort. But to stand behind the counter like a man!"

"Papa always did like those Stanleys," said Lizzie Doyle, petulantly.

"Yes, we all liked them well enough until Mr. Stanley failed, didn't we?"

"No, not I, for one. Laura was always so independent in her notions. Don't you remember how hard she studied at school? It does seem as if she foresaw her father's failure.

"I wonder she did not try some better position then. She is certainly capable of being something better than a shop-girl."

"Oh, I believe papa intends to promote her when Mr. Jobley goes west. She will then take Jobley's place as junior book-keeper. Think of that for a woman."

"That would be better than selling goods. I don't see how she can do that with her refined tastes. Why don't she give lessons, I wonder? It might not bring her in quite so much money, but it would be a deal nicer."

"Yes, and then we could recognize her, said Lizzie Doyle.

"That's what I was coming to," was the reply of her companion, a small sallow-faced girl, elaborately trimmed and flounced. "How are we to treat her now? We have been great friends, you know: that is, when she was in our set," she added, seeing Lizzie's brows darken.

"I'll tell you how I shall treat her," responded Lizzie, slowly drawing on a pair of perfumed three button kid gloves; precisely as I treat all of papa's clerks. And I should like to see any of them presume!"

"Oh, but Laura won't presume! You needn't be afraid of that; she's too proud."

"But how can you help it when you go to the store or church? She sits so near us, you know."

"Of course she'll give up that pew. She can't afford that."

"That's precisely what she doesn't mean to do. I heard her say the family must economize somewhere else and keep the pew. Her mother is hard of hearing and could not enjoy the services further back. The children, too, must go to church, that is the last thing, she said, one ought to give up. I heard her say this to your father last Sunday."

"How provoking!" said Lizzie, impatiently. "She will always be in our faces. But I shall have nothing to do with her. I know what it is for, the artful minx!—it's to keep near us. She has got into papa's good graces; and Al, too, admires her. She's very plain."

"Laura is no beauty," was the reply, "but I don't think she's so very plain. She certainly has lowered herself, though, by going into a store." thereupon, the two girls went out for their walk.

It was nearly twilight that day when Laura Stanley walked briskly home and entered the neat two-story house to which her mother had lately removed such of her household effects as had been spared by the auctioneer.

"This is really pleasant," she said sinking into a chair that had been drawn near to the glowing grate. "I had no idea mother, that you would soon make the house so home-like."

"Are you tired, my dear?" asked her mother, a refined-looking woman, as she helped the daughter take off her cloak and hat.

"I wish you had chosen something else, my dear."

"I don't wish so," said Laura. "There is nothing else would have brought a salary as once. I used to wonder what a certain person would be to me if I were not the rich Mr. Stanley's daughter, and now I know. It's a knowledge worth gaining."

"Do you meet many persons you are acquainted with?" asked her mother-

"Oh, yes; and it's amusing when they come upon me suddenly. O!—it's really!—is this Miss Stanley? and then sometimes up go the eye-glasses. Then I feel—well, as if I should like to freeze somebody, if I could for a minute. Others see me and make believe they are examining goods; so absorbed are they that they go clear by me without looking up, and pass out in the same way. But such slights don't trouble me. I find out how much true friendship is worth, and who, out of all the seeming ladies I have been in the habit of meeting, are true, and who are false."

"Then you meet some that are true!"

"Yes, indeed; Judge Agel's wife who always seemed to me so proud and distant, came up to me with a glowing face and fairly congratulated me. She did it like a lady, too, and like a friend. There was nothing patronizing about her. And there were several others to whom my position makes no difference. They prize me for what I am. Yet what a price to pay for learning the value of true friendship," added Laura, with a deep sigh.

"I met Aggie Doyle to-day, and she wouldn't speak to me," said Alice, Laura's sister, who had come into the room and overheard the last remark. "Why should they not speak to me, I wonder?"

"Because your sister is a clerk in her father's store," said Laura somewhat bitterly.

"That's no reason they should treat me so," the child replied.

"Of course it isn't; nor is it any reason why Lizzie, her eldest sister,, should ignore me. I liked her so much, too. But to-day she came into the store and passed me with such a glance after I had prepared a smile and a welcome for her. Mr. Doyle has been so kind since papa's death, and I looked for better treatment from Lizzie. That I confess, wounded me; and I shall have to meet her so often! But never mind, I must remember my place;" she added; "I have to work for my living now—but I will be proud of it! Good-bye, old life of lazy ease! Good-by, old worthless friends! Your coldness cannot hurt the real me; it is only the worthless young lady of fashion who feels it, and is slowly departing this life."

"Have you filled all your invitations?" asked Lizzie's eldest brother, one of the firm of Doyle & Co., some days after the preceding conversation took place.

Lizzie was arranging a hundred or more tiny, cream-colored envelopes, which she tied together with some pretty, bright-hued ribbon.

"I believe so," she replied, with a smile, I have asked every young lady of my acquaintance, and I think our party will be the finest of the season, if papa will have the carpets taken up in the west rooms and the floors chalked, Rutger will do them for fifty dollars, and you have no idea how beautifully he works."

"I think father will not refuse that," her brother replied. "I'll speak to him."

"Thank you, Al. Then I am sure he will have it done. I have asked him so much that I was almost afraid to ask him for more.

"By-the-by, have you invited Miss Laura Stanley?" her brother asked as he was going out.

"Of course not," said Lizzie.

"Of course not! and pray why not?" he asked, standing still.

"Why, Al., what an idea! She wouldn't expect it. Our shop-girl—father's clerk; I wouldn't have her for the world."

"Then, if you are sure she would not come, you might have sent her an invitation out of compliment," her brother replied.

"I don't consider her an acquaintance;" said Lizzie, and Al. walked out of the room with a shrug of the shoulders.

Presently her father came in. "Lizzie," I particularly wish you to send a note of invitation to Miss Laura Stanley."

"Papa, you don't mean it," exclaimed Lizzie, chagrined.

"Indeed I do mean it. What, slight the daughter of one of my most cherished friends, because she has come down in the world in a money point of view? I should despise myself for it."

"But, papa, she won't come," said Lizzie.

"Never mind whether she will or not, write an invitation. I'll take it to her."

Lizzie sat down pale and angry to write the note. After her boasting of having "cut the Stanley's," it was very hard to be obliged to invite Laura. Her cheeks grew hot as she indited the polite little missive, while she remembered how many times she had ignored her to whom it was addressed. She would have disobeyed if she dared—would even have witheld the note after it was written, had her father not stood by to take it.

Later her brother Al. came to her.

"I should like an invitation, Lizzie, for a young lady of my acquaintance," he said in a quiet voice.

"Who is she?"

"The young lady whom I have asked to be my wife," he said, smiling,

"Oh, Al., of course you shall have it! I am to have a sister, then? Is she in the city? Will she be sure to come? I'm sure I can't think of any one." and then she paused, puzzled at his shrewd smile.

"Do I know her?" she asked.

"You used to," he answered. "It is Miss. Laura Stanley!"

"Oh, Al.!" She sank down, covering her face with her hands.

"I was afraid she might feel the slight too keenly," he said softly, "that I hurried matters a little, So you need not be afraid now that she will not come. Will you not prepare an invitation?"

"I have. Papa has cared it to her. But oh, Al., a clerk!"

"A noble woman," said her brother, who dares to face the sneers of 'her set,' and take an honest position for the sake of those who are dependent upon her, rather than whine about her dignity, and live upon charity. I wish there were more like her."

So Lizzie was forced for once in her life to eat humble pie.

WHAT A WOMAN CAN DO.

As a wife and mother she can make or mar the fortune and happiness of her husband and children. By her thrift, prudence, and good management, she can secure to her partner and herself a competency in old age. By her tender care she can often restore him to good health. By her counsel and her love she can win him from bad company, if temptation, in an evil hour, has led him astray. She can do as much as man, perhaps even more, to degrade him, if she chooses to do it. As a wife she can ruin her husband by extravagance and folly; by want of affection she can make an outcast of a man who might otherwise have become a good member of society. She can bring bickerings and strife into what has been a happy household. She can become an instrument of evil instead of an angels of good. As a mother her words and her ways should be kind, loving and good. If she reproves, her language should be choice and refined. The true mother rules by the laws of kindness; and to her children "Mother" is synonymous with everything pure, sweet, and beautiful.

More About Woman.

A pretty American girl in Rome went frequently into the streets unattended, contrary to the custom there. The young Romans followed and annoyed her, until she invented a novel method of rebuffing them. She provided herself with a pocketful of centesmi, each the value of a fifth of a cent, and whenever a man spoke to her, pretending to utterly mistake his words, she gracefully extended her hand and dropped this fifth of a cent in his hand, saying, in her broken Italian, "Hungry, are you, poor man? Well, take this and buy some bread."

TOBACCO.

Is poisonous to the human body, especially so to the nervous system. It *destroys the vitality* of children in their tender growing years, and to a greater or less extent stunts the growth of all who use it. No young man *using tobacco* ever developed into the same muscular and nervous vigor and manhood he would without it. *It renders children* inclined to be weak, feeble, and helpless, or causes their death at an early age, and must be regarded as one of the *chief reasons* why our boys are not growing up vigorous and strong as in earlier times when *medicated cigarettes* and *cigars* were but little known and seldom used.

CARS, TABLE AND CHURCH.

We often sit down in the cars, at table, or in church, or a room by the side of men, otherwise looking clean, whose hair, whiskers, and clothing are so laden with the odor of *nicotine* that their presence is *intolerable* to ladies, and those unaccustomed to such company. *We gladly move away* from them, and avoid, when we can a repetition of the contact.

It is evident to those who have given much thought and careful study to the effect of *tobacco* upon the good morals and physical health of the rising generation, that the time has now arrived when an earnest raid should be commenced against that evil, and an effort should be made to carefully guard the young against the pernicious use of *tobacco, in all its forms*, by showing them that it *impairs digestion, depresses the vital powers*, causes the limbs to tremble, and weakens the actions of the heart.

PARENTS, GAURDIANS, FRIENDS,

see to it, that no time is lost. Let your little ones be warned, ere it is to late. What will satisfy their taste this year will not be sufficient for the next, and so *both smoking and chewing*, like *drinking*, will certainly increase from year to year, until the man who, a few years ago, was but a very moderate user, *becomes the slave*, bound in Promethean chains that he cannot or will not break, and which will surely tell most seriously upon his health in later years. To see men more wedded to a *spittoon, cigar*, or *pipe*, than to their wives, is most unfortunate. It is too often the case, that they will desert their company to get somewhere to smoke and expectorate their tobacco juice, and smear their doorsteps, porches, and often parlors, with their filthy quids. After a time, they become so *blunted* in feeling by their use that they are neglectful or indifferent to the feelings or pleasures of others, and like many men even high in position, will puff away at all times and places, with utter indifference to the rules of all decent society.

Young Women's Christian Work.

A great work of Christian Charity and Christain duty is being done by the Young Woman's Christain Association on Stockton Street in this city.

Their noble plan is to provide employment for young women that desire to earn an honest livelihood. Their association literally "Feed the hungry" "Cloth the naked" "Visit the sick" and comfort the afflicted, and visit those that are in prison.

Every Thursday these women of Godlike Charity and Heavenly Messengers carry food and raiment and "Sweet Flowers" to the sick and suffering.

All who can contribute any of these "needs of the Poor," who can aid in this work will meet the "Blessing of Heaven." Flowers fruit etc. should be sent to the Missionary Room of the Society, Stockton Street, on Thursdays, before ten o'clock A. M. this being their visiting and distributing days.

Murder by the Pen.

How many hearts have been slaughtered by the pen! Slanders venomous shafts, defamation of character by the pen through the press, has slaughtered its thousands; thousands too, who died by a lingering death more fearful than by the poniard or the swift death-dealing bullet.

The blood of those slain by the pen cries from many a grave, and a true soul who mourns a noble man thus slaughtered, says:—"It is high time for the American people to consider the question whether the crime of murder by the pen is not as worthy of punishment as the crime of murder by any other insidious poison."

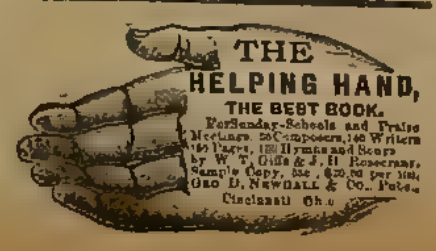
We say more so, for the poniard and bullet or the assasin is generally a quick death, while the deep wounds of the assassin of character causes a slow and lingering agony equal to death one hundred times—make then the murderer by the pen, the slanderer's crime equally heavy, for this only can make this crime hated as it should be.

WHO MAKES SCRAP BOOKS?

'Tis said "In the making of books there is no end," and we know there are many persons who are always interested in making SCRAP BOOKS—now, to all such persons, we have some very important information which will benefit them.

It will be seen by our advertisement of "OLD NEWSPAPERS FOR SALE" that we can furnish just the right material for SCRAP BOOKS, for we have in this collection of OLD NEWSPAPERS, a series of papers of 10 to 25 years, and from every State in the Union, and also European papers, with select scientific and literary papers, journals of all kinds. In these papers will be found much of the best Poetry of the age; also, Stories, Anecdotes, etc., all very valuable, and these we shall offer at the low rate of $1.00 to $3.00 per hundred. Many of these are 12, 16 and 20 page pamphlets, and magazines and other periodicals, those who want these collections will call at or address the

CALIFORNIA FARMER OFFICE.



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WEBER PIANOS

.... ARE ....

THE BEST.

What the Great Musicians and Singers say of them.

NEILLSON. I shall take every opportunity to recommend and praise your instruments.

KELLOGG. For the last six years your Pianos have been my choice for the Concert Room, and my own house.

PATTI. I have used the Pianos of every celebrated maker, but give yours the preference over all.

STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

WEBLL. Madame Parepa called your Pianos the finest in the United States. I "fully endorse," that opinion. They have no "rival anywhere."

MILLS. Amongst the many excellent Pianos made the city, the Weber ranks foremost.

LUCCA. Your Uprights are extraordinary instrument and deserve great success.

MURSKA. Your instruments surpass my expectations and I rank you justly as the Foremost Manufacturer o the day.

GODDARD. Your Instruments have no "superior" anywhere. I certainly have not seen any Pianos in America which approach them even.

The Cottage Gem Piano,

is 7 Octave. Serpentine Mouldings. Carved Legs, and is the BEST PIANO in the market for the price.

$350.00.

The Standard Organ

Has a Beautiful Case, full, rich tone, and for durability

Excels all Others!

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44:21 SAN FRANCISCO.

Santa Clara College, S. J.

SANTA CLARA, CAL.

THE TWENTY-NINTH ANNUAL SESSION OF THIS Institution will be resumed Tuesday, August 6th.

This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It occupies six large buildings with extensive shady playgrounds, covered gymnasiums, swimming pond, etc.

It possesses a most complete philosophical apparatus, and valuable collections of mineralogy and geology. It has also practical schools of Assaying, Surveying, Telegraphy, Photography, and Commercial business. For the latter a new building 160x40 has just been finished that leaves nothing to be desired.

Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course

TERMS—(Payable semi-annually in advance) Matriculation fee, to be paid but once. .. .. $ 15.00
Board, Lodging, Tuition in all branches, Washing and Mending of Linen, School Stationary, Medical attendance and Medicine, Baths, etc., per session of ten months..... $250.00

For further particulars apply to the President of Santa Clara College, or to St. Ignatius College, 841 Market Street, San Francisc
34-1 REV. A. BRUNENGO, S. J., President

FREE GIFT!

A copy of my Medical Common Sense Book will be sent to any person afflicted with Consumption, Bronchitis, Asthma, Sore Throat, or Nasal Catarrh. It is elegantly printed and illustrated 144 pages, 12mo, 1879. It has been the means in the providence of God of saving many valuable lives. Send name and post-office address, with six cents postage for mailing. The book is invaluable to persons suffering with any disease of the Nose, Throat or Lungs. Address Dr. N. B. WOLFE, CINCINNATI, O.

49:18

SEND THE FARMER ABROAD.

We would ask all our readers who have kindred and friends in the Eastern States or in Europe, who feel an interest in California, its wonderful progress and its productions, to send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a JOURNAL as the CALIFORNIA FARMER. We know our JOURNAL is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the HOME CIRCLE everywhere, as a JOURNAL free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, SPECIAL PREMIUMS OF SEEDS are donated with the paper, to benefit our State. See new subscription prices.

FREE A VALUABLE PACKAGE OF GOODS. SEND stamp. Box 45, Sandwich, Ill. 48:18

Miscellany.

Gatherings along the way side,
Floating gems by every tide.

WHERE SHALL WE PURCHASE?

Shopping, by men and women, seems a great task to some, and a great amusement to others. We often have these inquiries made of us:

Where shall I find a Good Tailor,? there are so many showy *placards* placed in our streets, we don't know which to choose.

Where shall I get me a Hat?

Where can I buy my Boots and Shoes?

Where shall I purchase my Shirts?

And the women ask, where is the best place to purchase me a splended Shawl and Silk Dress?

Then where can I buy the best Blankets and Flannels for family use this terrible cold weather?

The good housewife also asks which is the best Carpet store.

Where shall I go for my Furniture, and my Crockery-ware?

Then we hear the inquiry of a Parent, where is the most reliable place for me to buy a good Piano for my daughter?

And again we hear the inquiry, where is the best place to purchase my family Groceries, those that are *pure* and *full weight*?]

And so daily these inquiries comes to us from a hundred sources, and it is not always easy to answer where there is so much competition in trade.

There is one rule that will always stand the test, and that is to purchase only from the *best* and most reliable houses, for it is not those that cry out the loudest for their wares and merchandize, that are most reliable, but those only who are long known and well tried.

"IT HASN'T BEEN DECIDED YET".

"I say 'tis so."

"I say 'tisn't so."

They walked into a hotel down street thus talking.

"We've made a wager," said one of them to the proprietor of the hotel, "and we can't settle it just now. Let us have a couple of bottles of wine."

"Certainly," said the boss, "make it three."

"Willing to wait until we decide the bet ain't you."

"Oh, certainly. Anything you want. Have the house if you want it."

"We'll fix it up as soon as we decide it."

"Don't make your mind uneasy about that, I'm satisfied."

The wine was produced and squandered.

"What is the bet?" asked the landlord after the wine had disappeared.

"Well, Jake here, bet that when Trinity Church steeple fell it would fall in Broadway and I bet it would topple over into the graveyard and break sixteen or seventeen tombstones. As soon as we find out who wins we'll come around and pay for the wine."

The bouquet he sent her became the center of attraction when placed on the centre table.

A mother, noticing her little daughter wiping her mouth with her dress-sleeve, asked her what her handkerchief was for. Said the little one, "It is to shake at the ladies in the street. That is what papa does with his.'

Why is a handsome woman like a locomotive? It is because she sometimes draws a long train No—you're wrong. It is not because she sometimes draws a long train; it is not because she indulges in "sparkes;" it is not because she has something to do with a switch; it is not because she transports the males; it is not because she may have a head light; it—in fact, a handsome woman is *not* like a locomotive—not even when she gets a little "fast" and blows up her husband.

BENEFITS FROM THE EUCALYPTUS.

Beware of spurious and injurious preparation of Eucalyptus, which are being made and sold in many places.

By reason of the great success of David Clarke's Preparation of the Eucalyptus, many persons have been sending out Remedies under the name of Eucalyptus Cures, and boasting of the *pure globulus* specific.

The true and genuine Remedies both in Liquid and Pills, and also in the Rheumatic Oils are prepared from a *combination* of many of the best species of the Eucalyptus.

The *globules* alone however good *that variety* may be, cannot and does not make the Great Remedials, as prepared by David Clarke, the Chemist of Warwick, who by many years of study and labor in combining the different varieties of the greatest virtue, has secured the best preparation known, the world over.

It is important that all who suffer should use the true preparations, and David Clarke's is the best and only reliable preparation, as can be proved by hundreds of Testimonials in this City.

The old man of the sea was an ocean buoy once —*New Orleans Picayune.*

Among the bills introduced in the House of Representatives was one by Mr. Wood authorizing the sale of the site of the old Post Office in New York to the Chamber of Commerce. It was referred to the Ways and Means Committee.

Inspection of all vessels, of whatever class, and the exaction of thorough cleanliness, is the only safeguard against yellow fever in American ports during the summer months.

Valuable Estates For Sale!

Parties Who Desire to Purchase valuable

FARMS, RANCHES

Vineyards, Orchards

—AND—

COMFORTABLE HOMES,

Should Call at the FARMER OFFICE and See Our "List of Estates" For sale.

LANDED ESTATES FOR SALE.

Splendid VINEYARD and ORCHARD in Contra Costa County.

Home-stead LOTS and Valuable TRACTS of Land in Contra Costa Co. some of the finest locations in our State for Vineyards, upon rolling land and hillsides of the richest soils for Vines and Fruit Trees.

Fine ORCHARDS and VINEYARDS in Sonoma County.

ESTATES of VALUE in Los Angeles County.

FARMS and LOTS in San Diego Co.

And various LOTS of LAND in other parts of the State.

☞ The Purchaser will do well to see Our LISTS before they make their purchases.

WARREN & CO.,
CALIFORNIA FARMER OFFICE.

BOOK
—AND—
JOB PRINTING.

POSTERS, CARDS,
—AND—
CIRCULARS,
PROMPT, CHEAP AND GOOD
AT THE LARGEST PRINTING HOUSE
On the Pacific Coast.

COMMERCIAL
STEAM MAMMOTH
PRINTING HOUSE.

FRANCIS, VALENTINE & CO.,
517 CLAY STREET. 48:1

THE
Queensland Almanac.

LAW CALENDER AND DIRECTORY
FOR 1870,
For Brisbane, Queensland.

TWENTY-FIRST YEAR OF PUBLICATION

A complete Directory of all the Interests of Queensland—A valuable work of over 500 pages.

Price, $1.50 Mailed.

For sale at THE CALIFORNIA FARMER Office, Warren & Co. Agents for Publishers.

HENRY KIMBALL.

Bartling & Kimball,

BOOK-BINDERS, PAPER RULERS
AND MANUFACTRUERS
—OF—
BLANK BOOKS.

506 Clay Street, S. W. corner Sansome
San Francisco. 45:15

SAVE YOUR EYES.

AMONG THE MANY AND WELL ATtested virtues of the Eucalyptus Remedials, its great and invaluable agency in benefiting the eyesight is one of its prominent features. By careful tests made by persons having WEAK EYES, and persons even of an advanced age, who have used "Clarke's Concentrated Fluid Extract" for the eyes as a bath the most astonishing results have been attained, weak eyes have been entirely cured and aged persons have had their sight so greatly improved as to do away with glasses. This liquid is for sale at the FARMER OFFICE, the American Agency, 320 Clay Street.

WELL AUGER. Ours is guaranteed to be the best in the world. Catalogue free.
W. W. GILES, 249 Clark st., Chicago, Ill.
9-14 6t eot*

Newspapers for Packing

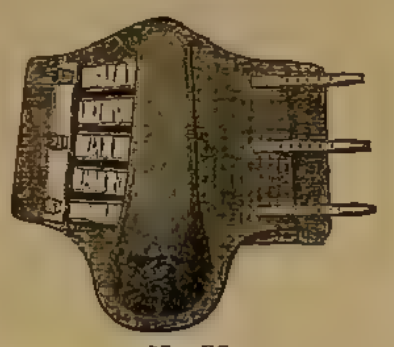
A LARGE lot of good country newspapers in good order for packing up goods, can be had at reasonable rates, in lots of *One to Five Thousand.*

For Sale at Farmer Office,
320 Clay St., San Francisco.

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS
To all Parts of the United States.
J. F. FARNWORTH. - - - - - - - - - - M. T. BREWER.

MAIN & WINCHESTER

Nos. 214 and 216 Battery Street,
SAN FRANCISCO.



No. 35.
ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B. Illustrated Boot Book with Prices sent on application. 47:20

SAN FRANCISCO CORDAGE CO.

ESTABLISHED 1856.

Have constantly on hand a full supply of all kinds of Manila and Sisal Rope—manufactured from the PURE Fibres—and by the latest improved machinery. All our Manila Rope GUARANTEED.

HAY ROPE.

The special advantages of Rope for baling purposes, are the ease to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for Halters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when baled with Rope.

FOR SALE BY ALL DEALERS.

TUBBS & CO.,
611 AND 613 FRONT STREET,
SAN FRANCISCO.
49:7

PATENTS

In connection with the publication of the *Scientific American*, we continue to act as Solicitors for Patents Caveats, Trade-Marks, Copyrights, etc., for the United States, Canada, Cuba, England, France, Germany, etc. In this line of business we have had *thirty-three years' experience.*

Patents obtained through us are noticed in the *Scientific American.* This large and splendidly illustrated weekly paper shows the current progress of Science, is very interesting, and has an enormous circulation. Subscriptions $3.20 a year, postpaid; single copies 10 cents. Sold at all Book-stores and News-offices.

Can I Obtain a Patent? The quickest and best way to obtain a satisfactory answer, without expense, is to write to us (Munn & Co.), describing the invention, with a small sketch. All we need is to get the idea. We will immediately answer, and give the necessary instructions. For this advice we make no *charge.*

We also send *free* our Hand Book about the Patent Laws, Patents, Caveats, Trade-Marks, their costs, and how procured, with hints for obtaining additional inventions. Address MUNN & CO., Publishers of the *Scientific American*, 37 Park Row, New York.

Later Sawing **RIDING SAW MACHINE** is fully demonstrated by the number in use and the present demand for them. It saws Logs of any size. **One man can saw more** logs or cord wood in one day and easier than two men can the old way. It will saw a two foot log in three minutes. **Every Farmer needs one.** Township agents wanted. Send for Illustrated Circular and Terms.
Address W. W. BOSTWICK & CO.,
179 Elm St., Cincinnati, O.

Farmers' Accounts.

WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer.

A new Book for such a Record can be seen at Farmer Office, which we shall be glad to explain and recommend to all—handsomely got up and finely bound. Price, $2.50, worth ten times the cost. 45:21

NOW IS YOUR TIME TO ADVERTISE.
ADVERTISERS ABROAD AND AT HOME.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the Pacific Coast, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The Agricultural Trade of California is a Perennial Trade, lasting all the year. Our Great Planting Season is *three or four months earlier* than New England therefore, Eastern Advertisers should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows.—All line advertisements will be One Dollars for Five Lines, or less. Nonpareil, *first insertion*; larger space, *Fifteen Cents per Line*; each subsequent insertion, *Ten Cents per Line.* This offers the best and most reasonable rates, giving us the FARMER dots, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community.

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $20.00.

For one-eight of a column, three months. . .	$15.00	For one-half of a column, three months....	50.00
For one-quarter of a column, three months	30.00	For an entire column, three months	100.00

For a single month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable; the same rates and terms to all alike. Advertisements always payable in advance, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rates.

WARREN & CO., Proprietors,
320 CLAY STREET, SAN FRANCISCO.

COMMISSIO
SALES-ROOM,
—AND—
Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in Trees, Plants, Seeds, and Agricultural Implements, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of Merchandise for our Farmers or Ranchmen, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory Reference or the Cash, or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of Trees, Seeds, Plants, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and every article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

Silk and Tea Culture.

A PRACTICAL TREATISE ON
SILK CULTURE
AND ALSO UPON
TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. Kendo, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the Big Tree Seed fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 6 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine Patent Bee Hives of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,
320 Clay Street,
SAN FRANCISCO.

EUCALYPTUS OIL.

The pure EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Linament for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Linament is needed, as it has been proved to be the best Linament known.

FOR SALE,
Wholesale and Retail,
WARREN & CO.,
320 Clay Street,
AGENTS FOR DAVID CLARKE'S REMEDIALS.

Australia and New Zealand!

IMPORTANT INFORMATION.
Just Received at this Office
CLARKE'S
ILLUSTRATED QUEENSLAND
ANNUAL.

Containing valuable information relative to that great and wealthy section of country, and of importance to our Merchants, especially to all who do business with that country.

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, JAN. 29, 1880.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marble Building—Up Stairs.

FARMERS HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms, Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences, also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for one insertion, fifteen cents a line for any larger space. Each subsequent insertion ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

Editor's Chair.

Home.—In our Home Columns the deeply interesting story of Laura Stanley the clerk, is a most admirable lesson for the thoughtless, and we should say heartless creatures who think money or a wealthy station is all that is worth living for in this life. The many and sudden changes of fortune in this country should teach a wise lesson to all.

The chapter on "Tobacco" should arouse Parents to the duty they owe to their children, if they desire them to live a healthy life.

Read "Young Women's Christain Work," "Murder by the Pen" "What a Woman can do."

Our Poet's Column.—We give that beautiful *Gem* of Mrs. Hemans, The "Boon of Memory" one of the finest poems ever written.

Horticulture.—"Growing grapes," "Plant good seed," "Directions for Planting Tree Seeds" The "New Book" all to be read.

Miscellany—"Where shall we purchase," "Not decided yet" "Benefits of the Eucalyptus" on this page.

Agriculture.—The importance of "Agricultural Education" is given in the article "Do Agricultural Colleges make Farmers?" we answer some do, some do not. How many of the *Agricultural Students* of our University became *pratical farmers* when they left that College!

"Stock Breeding" several valuable articles on this important subject we present from the *National Live Stock Journal* that all should carefully read. "Horse Racing for Sunday Schools" is a capital illustration of the good they do as generally conducted now at our fairs.

"Sandy Soils" should have the earnest thought and study of our farmers, sent us by A. B. Ward Esq, of Boston, well known as one who has long studied the wants of soils, and the new help they require to make them always fertile, Mr. Ward is the inventor of "Ward's Fertilizer," a most admirable article.

"Yield of Cows in Milk" how many of our Dairymen have cows that will give them from 20 to 54 quarts of milk per day?—when they keep only the best breeds and take proper care, they need keep only one half or a quarter of their present number, and would have less to feed, much less expense and a greater income.

Our Front Page. We give this week another fine Illustration of a modern Villa, with plans full and complete, anyone wishing to see a "Fac Simile" of our picture will find it in the beautiful mansion of J. B. Haggin Esq., on Taylor St.

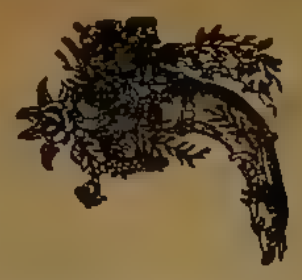
Our European Letter gives important reports about the ravages of the Phylloxera in the Vineyard of France, and the experiments made to check that fearful pest.

The Letter of our "Washington Correspondent" our "San Deigo Letter" Letter from "Contra Costa" and one from Assayer Hanks, all will be read with interest.

Unanswered Letters.—We are constantly receiving letters of inquiry from numerous source asking us to furnish replies and statistics that would occupy pages, and these from strangers, on matters not of a public interest, but only their private business, and then not even a stamp for reply, of course our time will not allow us to reply to all though kindly disposed, we always shall if possible, stamps for reply should always be sent, as this is a heavy tax on hundreds of letters received.

OUR LEGISLATURE.

We assuredly feel that our Legislators are doing well, they seem alive to their duty, they press on in their work and they appear to realize that they must finish up in their *One Hundred Days*, for our Governor says there will be *no extra session*, and that means that the work that is not finished will go undone—and what the Governor says that will be adhere to.



THE SEASON and PROSPECTS.

The unusally cold and severe weather for many weeks has been very much retarded, all the operations of our farmers, in every branch of their out door work, save in some warm and sheltered place, and this Winter but few such places have been found, even sunny Los Angeles has had *her* snow storm, as well as Napa, Sonoma and Petaluma, but these storms are a kind of sportive season for us and reminds old Pioneers of Boyhood Days, the days of "coasting" and "snowballing sports."

The season for grain planting has been delayed to a considerable extent, although the area already planted is very large, and with what will be planted this year, the acreage we think will approximate to fifty per cent. over that of 1879.

The *Stock interest* will have more attention this year, as Horses, Cattle, Sheep and swine will be more in demand and command higher prices; already a better attention in being aroused for this branch of our great source of wealth.

The *Orchard interests* will receive a more careful and scientific attention than ever before. Experience has taught fruit-men that the growing of common varieties of fruit, not only glut our markets, but depreciates the value of better kinds. Orchardists begin to study the nature of *Fruit Trees*, and are training and pruning their trees in a better manner, and although we often see very unscientific *plans* and *directions* for *planting*, growing and pruning trees, it is a good thing to see growers beginning to *work in their orchards at all*, for there are so many orchards that are left to take care of themselves, that some effort to labor will soon result in doing good and leading to more and better work.

Our *Vineyardists* are up and doing, a very large number of acres of vineyards will be planted this year, and quite a quantity of American varieties for the purpose of grafting with foreign varieties in the hopes of checking the ravages of the *Phylloxera* here in this country. The devastations of this fearful pest in the "Vineyards of France" has cost that nation *millions of dollars* already, and has destroyed hundreds of acres of their finest vineyards (see our London correspondent's letter on our Horticultural page) it has also so diminished the quantity of wine made in that country so much as to advance the rate of value to a large per cent., and it is found in France that this evil will increase, and it is from such results that our Vineyardist are receiving increased orders for *California Wines* at increase value, because the *importation* of foreign wines are steadily falling off.

Another encouraging fact now seen by our vinegrowers is a increasing order for our wines abroad, even in Europe, an open acknowledgement that *California Wines* are of a very pure and superior quality, and hence these orders from abroad.

Vineyard lands and *Orchard* lands are now in demand, and we aver that the best location for vineyards and orchards are our *Foothills*, old forsaken mining lands, where the earth has been turned over and over two, three or six feet deep. these are the places for orchards and vineyards, and our Orange groves. This is the doctrine this Journal has advocated for over twenty years.

MAGNIFICENT ORANGES.

We were kindly favored by the reception of a dozen of very splendid oranges of a variety new to our climate, which were sent us by Messrs. Dalton & Gray, Commission Merchants, on Davis Street.

We were permitted to use the following letter that came from the grower to Messrs. Dalton & Gray. The description given by them is so accurate and so happily describes these exquisite oranges they are in fact even better than thus poetically pictured. We feel assured Mr. Chapman will find ready purchasers for all the trees and fruit he will have for sale. This orange is not round like other oranges but flattened at the ends in the shape of a true St. Michael Pear, of a thin rind, glossy and gives a most orderous perfume.

Messrs. Dalton & Gray –

Gentlemen:

I ship you to-day three small boxes of Tangierine or Mandarin Oranges.

Thomas Rivers of Sawbridgeworth, Herts. London, Eng., perhaps the most celebrated of living English Horticulturists says of this orange, that it is the most charming of dessert oranges. In London and Paris, I am credibly informed, this orange ranks A, no. 1, as a desert or party orange. That it also demands a price in advance of all other oranges both in London and Paris. I had a large number of trees of this sort planted last year and they will bear bountifully in two years from this time.

My idea is not to get up a *furore* on this fruit, but that the people of San Francisco may come to know that these are a nice orange and that they can obtain them in the near future.

I think this orange has intrinsic merit and I wish it to rest thereon.—I think it would not be sought for and preferred in England and France without real merit: it takes the same stand in New York City and no party is, I am told, *unfruit* with out it. I am not much of a novel reader, but am informed by *novel sharps* that this orange is getting to be as indispensable to the English novelist as the modest maiden who generally eats it with her *Gloves on*, and considers the peculiar odor there of as grateful as the rarest perfume.

It is due to you to say that I do not expect to ship any more of these oranges this season, but "Dro Volente" I can in two years ship them as freely as the "Naul," the "Blood," St. Micholl, Valencia, or other varieties.

EUCALYTUS FORESTS.

We are glad the people are waking up to the necessity of planting Timber Trees, so that in the future we shall not be obliged to import all the timber we want for Mechanical uses or for our Rail Road sleepers, or wharf timbers, fencing timber and etc.

For many years past the California Farmer has earnestly and constantly called public attention to this matter, and urged attention to the value of the *Eucalyptus tree*. Especially to its many excellent qualities, not only for the uses we named above, but as a tree known as a medicinal tree to purify the air from all material diseases, and give a healthy atmosphere, where diseases had always prevailed.

This famed tree not only purifies the air wherever it grows, from various fevers, but it gives great humidity where only dryness and a barren soil resulted from a parched up climate.

There is a great want of knowledge relative to this tree, many of our generally intelligent people think the *Globulus* species the great tree, and that the *Eucalyptus Globulus* tells all, when the truth is that the *Globulus* is but *one* species out of *two hundred varities*, and these other varieties, yet new to our Coast are vastly *better* and *superior*, both in their folage, and in the firmness of the grain of the wood, and more beautiful when the wood is finished for mechanical use, for furniture etc.

This famed tree would give an independent fortune to every person that would give proper care and attention to the raising and planting one or two hundred acres of the best varieties of this most valuable tree.

We know that the Eucalyptus *Globulus* is a very quick growing tree, one of the quickest, therefore fine for firewood, sleepers and other ordinary uses, while the fine sorts are also very rapid growers and ere long must be known and truly appreciated for furniture, carriage work, etc. The grain and polish of these woods and the plates of the new species with their characteristics can be seen at the "Reading Room and Library" of the "Farmer office," where the data of this tree can be found more complete than anywhere else on this Coast.

It is now nearly twenty-five years since the Editor of this Journal first introduced the seed and culture of the Eucalyptus on this Coast, and ever since, has endeavored to urge its culture, and it is now very gratifying to know the true value of this tree is being more appreciated for all its many excellencies, and all who desire to know its true history and great worth can learn very easily.

The *Press* of this State are now commending the value of this tree, but many articles we have seen published are very erroneous, yet they call attention nevertheless, and inquiry will soon rectify the mistakes of those who publish without true data; the last cold weather has tested the capacity of this tree to stand the cold, and the *young trees* and fresh grown branches of the Globulus have been affected, while most of the others, Iron Bark, *Rostrata*, *Viminalis*, White Gum have passed unscathed.

The full history of these notable trees can always be found at the office of the Farmer where information will be very cheerfully given.

THE COLD WEATHER.

California has never before had so long and so severe a "Cold Snap," although we can recall cold days, Snow and Ice many times in the last *thirty years* of our experience, but this cold weather has its good as well as its unpleasant side. We must all look for the "Bright side" of things in this world. We should all be wise enough to reflect that the *Seasons are changing*, not only in California but all over the World. The various other "Planets" are going through great changes beside our "Earth," and why should not our *planet* fare like others!

This Journal has always believed that the seasons would change here, that we should have more rain with snow, lightning and thunder, and we still think so.

Now while we speak of changes of seasons let us again remind our friends in the *upper vallies* to be on their guard and prepare for the melting of the snow banks on the mountains, for these *snows must melt* and the *waters pour down*, and if the people are not prepared for its coming, they wil suffer heavily for their neglect of preparations.

The effects of severe freezing and its peculiar results we give in a letter from one of our best Horticulturists from Contra Costa County, to which we call special attention.

The Pullman Cars.

These famous and justly popular cars are now the specially sought for means of conveyance by all travelers on our railways, on the Chicago and Northwestern Railroad, between Omaha, Council Bluffs and Chicago.

On all the great routes east of Omaha, the Pullman dining cars have no equal for real comforts and pleasurable conveniences, on these cars care is forgotten and traveling is only a pleasure.

OUR NURSERYMEN.

California can justly boast of as goodly a number of Nurserymen, and of as good Nurseries as most of our States of larger and longer growth. But of one thing we are certain, our Nurserymen are aiming to grow the choicest and best trees that can be found the world over.

Among the most prominent Nurserymen of our State we must in justice place at the head

B. S. Fox Esq.,

of San Jose, whose collection is one of the largest and most reliable in our State, and in addition to his stock of Fruit and Ornamental trees, he has a most extensive stock of Exotic and Semi-Tropical trees and plants of every country, of which we shall soon notice. Mr. Fox is truly one of the old Pioneer Nurserymen, and to him belongs the credit of raising some of the finest New Seedling Pears ever recorded in our Pomological list of choice fruit. Among them the "Barry" and "Col. Wilder" Pear; the Gold Medal, of the American Pomological Society, was awarded to Mr. Fox for his splendid Seedling Pears, and we rejoice that California, by one of her nurserymen, has been thus honored.

We can also refer to the fruit nurseries of Messrs. C. M. Silva & Son, of Newcastle, Placer county, who are becoming quite celebrated for varieties of new and valuable trees, plants and vines of the highest character, this firm also aiming to raise and propagate only the very best and most valuable kinds.

We can also refer with pleasure to the nursery of Felix Gillete, of Nevada City, California, an earnest and skilful propagator of many new and rare sorts of trees and plants. His specialty being some new sorts of *Walnuts*, *Chestnuts*, and other trees of foreign origin with an immense number of *New Strawberries*.

The nurseries of Messrs. Silva & Son and of Mr. Gillete, although established but of a few years are nurseries of considerable extent and always reliable for truly named sorts, and for very careful attention to all orders, sending their goods carefully and safely packed.

There are many other very good nurseries in our State worthy of note, all tending to advance the interest of Horticulture which we shall note.

WE WANT POPULATION

This is the cry from all quarters, and yet we shall not have an increase of any amount until the *Press* of our City and State assume quite a different tone in relation to our City and State Authorities, and to our Public Institutions and their officers.

In the Eastern States many people by a reading of our daily press and many of our country newspapers, though *they* are not so bad, believe our City and State Officers are so generally corrupt, and our Government so badly administered that there is no safety for property, and that California is no safe place to live.

Other states are fast increasing their population rapidly, while California is at a standstill almost, and for *Five Years* we have not added fifty thousand to our population, while Kansas, Minnesota, Wisconsin, and also Colorado, Nevada and even Oregon almost doubled their population; Kansas has added very near a million in five years, while California with a far better climate, seems to write on her escutcheon, "To Let." A change must come.

The business of Kansas is rapidly increasing owing to the active Agency of the State Government and all in office, they work to build up the State, instead of looking out for *number one*.

The very cattle trade of Kansas speaks of prosperity for there was conveyed over Kansas Pacific Railroad and brought into Kansas in the first *nine months* of 1879, 58,300 head of cattle, 126,179 head of hogs, and 7,217 head of sheep. This speaks for setting up a country that is growing *ten times* as fast as California.

Our public men, our business men, our mechanics and manufacturers must wake up if they wish our State to be prosperous.

CHANGE YOUR SEED.

If any one's last crop of corn was not of as good quality as desirable, and a neighbor or distant friend has some better sort, make it a business to get some of it for seed, *now*, and have it ready when the day of planting comes. In selecting, note the time of ripening, size and number of ears on stalk, size of stalk, quality of the grain, and all other important points.

The *American Agriculturist* thus speaks to our *Corn Growers* and gives them good counsel, we would now call their attention to the *new varieties* of corn that should be introduced *this year*. The "Cusco Corn" and the "Wright's Golden Yellow Corn," sampels of which can be seen at "Farmer Office."

The Great Sheep Dip.

We call special attention to the "Great Sheep Dip" of the Kennedy Manufacturing Company at Omaha.

This is one of the *Best Sheep Dips* known, and is now used largely and very successfully in the various States of our Union, and will now be introduced into Australia by W. H. Fletcher, Esq., a Merchant at Sydney, to whom all Australians are directed for a supply.

IRELAND—IRELAND.

Ireland, Ireland, The land of Sweet Erin,
The land of brave hearts now calls for a hearing,
'Tis humanity calls, they ask us for Food,
Oh, let us arouse and prepare to do good.
Remember the teachings christianity brought us,
Remember the lessons the Saviour has taught us.
Go clothe the naked, the hungry go feed.
'Tis thy Brethern that calls in their hour of great need.
As you would ask aid, so let yours be given,
For every *good deed* wins a blessing from Heaven.

The call of Humanity from suffering Ireland is two fold now—their pecuniary suffering by reason of their Tenantry system, is hard enough to bear, but this is not all; the immense loss of their *Potato Crop* is now reported to be about *Twenty Millions of dollars value* and this too in a season of great pecuniary distress.

We remember well their terrible sufferings in '46 and '47; and in England and Scotland too, for we were then present at the time, and we witnessed their untold sufferings. We cannot now recall what we saw without a shudder, even more than thirty years ago. It was the winter of 1847, that we were then associated with such great hearts as "Father Matthew" of Ireland, the "Rev. Dr. Chalmers" of Scotland and our own friend "Elihu Burritt" the learned Blacksmith, with those great hearts it was our privilege to labor for a season for the alleviation of the starving thousands of the "Three Kingdoms." That was at the time our Nation sent to Europe the Frigates "Jamestown" and "Macedonian" laden with Food and Raiment for the uffering—and even now as we review the past and read the deeply interesting letters of each of those friends with whom we then labored in the cause of humanity, and as we remember that *all these three friends* Sleep and we only are left,—we think we see a cloud coming over Ireland again, and the same cry to come to up once more

Help us or we starve.

At an early day we will give some sketches of what was then saw of suffering, and some of the words of those good men that have gone to their reward.

Every Mail continues to bring darker and darker pictures of suffering people in Ireland, we hope the wealthy people in our land will generously come to the rescue of the Starving poor of that country, as our Nation has done before. Let party, creed, and nationality be forgotten, and only duty to Humanity be remembered and the suffering relieved.

RECEIVED AT READING ROOMS:

A very excellent and practically good little book has been sent to us by the Industrial Publishing Co. of New York.—*This book*, The "Workshop Companion," of 162 pages is full of valuable methods of labor, recipes, rules and practical hints all very useful to every worker with *tools* or *brains*; this book is worth twenty times its cost to a wide awake mind, and costs only 35 cents, and for sale at Book Stores generally.

We have several valuable publications from the "Bureau of Agriculture," at Washington, D. C, A condensed report of the Agricultural Department for 1879,—also "Soil Tests" for 1879, as conducted under the Commissioner of Agriculture.

The "Sterographic Instructor" or "*How to learn Short Hand*," a valuable little book published by S. R. Welles & Co., of New York, compiled by Arthur M. Baker Esq., and for sale by Book dealers generally.

G. P. Putman & Sons of New York, sends us a little book, "*Emergencies*," How to avoid them, and how to meet them, relating to those calamities incident to humanity. All should have this work.

The "Museum of Paris and Stockholm:" a very interesting book, the illustrations of these are now exhibited in the "Clay Street Museum" and a very valuable place for a Naturalist, Physiologist and Scientist.

We return thanks to E. E. Ames Esq., Enrolling Clerk of the Senate, for valuable Legislative papers of Rules etc. for which we tender thanks.

A very beautiful Rule though not a "Golden Rule;" it comes under this head, for it is a kindly gift sent us as a New Year's token from that skilled worker in woods at the Yosemite Valley, A. Sinning, Esq.

This Ruler is a most superb piece of skillful workmanship and is composed of *Twelve* different kinds of our native mountain woods, and for perfection of joining and finishing, the skilled workers of 'Solomon's Temple' never made more perfect work. Any one desirous of seeing this Article this Elaborate piece of work can see it at the *Farmer* Office; we have the names and species of all the woods.—Many thanks to our friend for his kindly remembrance.

From Abroad.—We have the catalogues of Mess. Vilmorin & Co., of Paris, the celebrated Seed-men of more than one hundred years, from Parent to Sons bearing that celebrated name

We have catalogues from England, France, Belgium, and Germany, almost numberless of growers who desire to become known to our cultivators in this "Golden Land."

Our Sheep and Wool Interests.

These interests are now rapidly extending and steadily increasing, sheep that were selling one year or more ago for $1 per head are now worth $2 to $3.00 per head, and steadily being appreciated in value.

The wool interest is also on the *upward grade* and wool that was dull at 12 and 15 one year ago has advanced steadily and now is bought quickly at 20 and 25, and extra at 30 and 33.

New Woolen Mills are being started in many places, and this great interest has now received an impetus that will add to its still greater advancement, and to the prosperity of all interested, and to our State's prosperity also.

We commend all who are interested in sheep and wool, those who desire to purchase flocks of sheep, or wool, to the House of Faulkner, Bell & Co., who can give them valuable information and aid.

[We return thanks to Mr. Hanks for his remembrance of us, and this valuable relic named in his letter, it can be seen at the Farmer Office Museum —Ed. F.]

OBITUARY.

The sudden death of Ham C. Harrison at Bakersfield, on the 19th instant, was one of those unlooked for events that has been so common in the last year, taking away many of our Pioneers, and men in the very prime of life, men in their fullness of strength and surrounded by all that could make life desirable.

Mr. Harrison had gone from Sacramento, where he had resided for a quarter of a Century, or more, to attend very important legal business, his illness was brief, death sudden, a case of supposed Diptheria and Pneumonia, the signal of his death to his family was the arrival of his corpse.

Mr. Harrison was one of Virginia's loving sons; that was his birth-place and he was true to that; He was born in Winchester, Va. in 1828 and was past 51 years of age at the time of his death; Mr. Harrison was married in 1855 "Washington's Birth Day," and had he lived till the coming 22th February we would have celebrated his "Silver Wedding" in connection with the sister of his wife and her husband, General Josiah Howell, both married on the same day. But, alas! earthly homes and earthly plans and earthly hopes are thus often blighted, and his Silver Wedding Day will be in a better world, where the Bridal Robes are all "Immortal Mantle, Garments Divine"

Mr. Harrison was for years a *Very* popular and prominent member of the Bar of Sacramento; and for years Clerk of the Courts of that City, he was also a High Mason, member of many of the most distingaished orders of Masonry, and honored by all.

The announcement of his death at Sacramento, the Courts assembled and passing suitable and very honorable notices of him adjourned the Courts, the several Lodges of the City assembled and paid due honors to his memory and adopted the Order of his burial, at which they attended in a body, as did the members of the Bar, the Pioneers, and the many friends he had made by his many excellences of character.

Mr. Harrison leaves a wife and one daughter to mourn his sudden death, and to them and his kindred in his native State this blow is a heavy one, for his life was in its prime, his hopes many, and his prospects fair, but—

The sun of his morning was dim med at the noon,
His Life Tree has fallen, Ah, fallen too soon,
His loved ones in sorrow, in tears at his grave,
Have bid him farewell, but no power to save,
Now gone from our presence, we see him no more,
His life work is ended. Lifes battles are o'er,

We have known Mr. Harrison since 1853, and known him well. We had hoped much for his future success in life, but that is over and we can only now pay this last tribute to the memory of a Son-in-law, whose many good traits of character obliterate all that ordinarily clouds the best and noblest of men.

EUCALYPTUS IN SACRAMENTO.

We have appointed the well known house of MESSRS. H. C. KIRK & Co., our agents for the County of Sacramento, for our famed EUCALYPTUS REMEDIES in all their varieties.

Messrs. Kirk & Co. are at the head of the Drug and the Apothecary business in that City, and we invite our readers in that region, all who wish to be relieved from suffering to call on them and obtain the only true Eucalyptus remedies, those of David Clark's manufacture.

Grass, Clover and Forrest Tree Seeds!

(American and European.)

Catalogue Free on Application.

SPECIALTIES—*BLUE GRASS, RED TOP, ORCHARD GRASS, MEADOW FESCUE, ALFA, ALSYKE, HUNGARIAN,* &c.

HENRY NUNGESSER, SEED MERCHANT,
83 Avenue D. New York.

AUZERAIS HOUSE,

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SAN JOSE.

S. W. CHURCHILL, Proprietor.

Auzerais House Coach and Carriages always in Attendance on arrival of trains.

JOHN SAUL'S

CATALOGUE OF NEW, RARE AND BEAUTIFUL Plants will be ready Feb. 1st, with a colored plate. It is full of really good and beautiful plants—new Dracenas—new Crotons; new Pelargoniums; new Roses; Geraniums; Cinerarias etc., with a rich collection of fine foliage and other greenhouse and hothouse plants, well grown and low in price. Free to all my customers, to others 10 cents, or a copy free. Catalogues of Seeds and Roses free. Address JOHN SAUL, Washington, D. C.

A Free Book of nearly 100 large octavo pages for the sick. Full of valuable notes on Scrofula; Diseases of the Liver, Aches and Pains; Heart Troubles and a great variety of Chronic Diseases, with evidence that in most cases, these diseases are curable. Sent for one stamp.

Address MURRAY HILL PUB. CO.,
No. 129 E. 28th Street, N. Y.

HUTCHINSON & MANN,

INSURANCE AGENCY.

Nos. 322 and 324 CALIFORNIA St., - San Francisco

FIRE INSURANCE.

GIRARD.....of Philadelphia
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NEW ORLEANS ASSOCIATION.....
PEOPLE'S.....of Newark
REVERE.....of Boston
LA CAISSE GENERAL.....of Paris
ST. PAUL.....of St. Paul
UNION.....of Galveston
TEUTONIA.....of New Orleans
BERLIN-COLOGNE.....of Berlin
LA CONFIANCE.....of Paris

MARINE INSURANCE.

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All Losses Equitably Adjusted and Promptly Paid.

S. H. Kennedy's Mf'g Co.

MANUFACTURERS OF

SHEEP DIPS.

The Largest of the Kind in the U. S.

Please Examine the list of the different dips and prices, viz:

Dissolved Sulphur Dip,
Price, $2.25 a gallon.
This is equal to 30 pounds the best Sublime Sulphur.

Concentrated Extract of Tobacco Dip,
Price, $2.75 a gallon.
This is equal to 40 pounds best Leaf Tobacco.

Non-Poisonous Dip,
Price, $2.25 a gallon.
This is our Favorite Dip, as it Cures Scab and can be used at any degree of strength with safety

HEMLOCK POISONOUS DIP,
Price, $2.25 per gallon,

And is the Best Poisonous Dip in Use

EACH GALLON OF THESE DIPS
Will make enough for 225 Sheep After Shearing.

Put up in One and Five Gallon cans with full directions for use.

Pamphlets sent Free to any Address.

Sold by all Principal Dealers in the United States

S. H. Kennedy's Mf'g Co.,
OMAHA, NEB.

W. H. FLETCHER, Merchant,
Sydney, N. S. W.
AGENT FOR SYDNEY.

Samples of This FAMED DIP Can Be Had at The

FARMER OFFICE,
320 CLAY ST.

FOUR SPLENDID WAGONS.

Farmers who desire a splendid Single or Double Seated Wagon, of the BEST make and BEST finish, can have a special bargain if they will call at 320 Clay Street, FARMER Office, where style of the Wagon will be shown them, price and terms also. An early call will secure a bargain rarely obtained.

The Maryland Farmer,

A MONTHLY MAGAZINE Devoted to
Agriculture, Horticulture and Rural Economy.

THE OLDEST AGRICULTURAL JOURNAL IN MARYLAND.

Terms $1. per Year in Advance

Published by EZRA WHITMAN,
141 Pratt Street, Baltimore, Md.

THE MARYLAND FARMER HAS A LARGER CIRculation and will be read by more Farmers, Planters, Mechanics, Merchants, and others interested in Agriculture, than any other paper which circulates in the Middle or Southern States, and therefore is the best medium for advertisers who desires to extend their sales in this territory.

FREE! FREE!!

A full size "Mirror" sent by mail, post-paid on receipt of a 3 cent Stamp. Only a few more left. Address, JOHN J. MAGINNIS, Sandwich, Ill. Mention this paper.

PACIFIC MAIL STEAMSHIP CO.

The Steamships of this Company will sail from SAN FRANCISCO, during the year 1880 as follows:

From Wharf, cor. of First and Brannan Sts.

—HOUR OF DEPARTURE, 12 NOON.—

For YOKOHAMA and HONG KONG.

CITY OF TOKIO	CITY OF PEKIN.
March.....20th	February.....7th
	May.....1st

And after May 1st, on the 1st of every month. Connecting at Yokohama with steamers of the MITSU BISHI Co., for

HIOGO, NAGASAKI and SHANGHAE.

For SYDNEY and AUCKLAND via HONOLULU,

Jan 10, Feb 16, March 15, April 12,
May 10, June 7, July 5, Aug. 14,
Aug. 30, Sept. 27, Oct. 25, Nov. 22
Dec. 20.

Round the World trip Tickets, via New Zealand and Australia, $650. Tickets also issued from San Francisco to New York via New Zealand and Australia.

For NEW YORK via PANAMA

5th and 20th of every month.

Taking Passengers and Freight for MEXICAN, CENTRAL AMERICAN and SOUTH AMERICAN Ports.

For HAVANA and all WEST INDIA Ports:

For LIVERPOOL, LONDON and SOUTHAMPTOM.

For ST. NAZARIE, and for HAMBURG, BREMEN and ANTWERP.

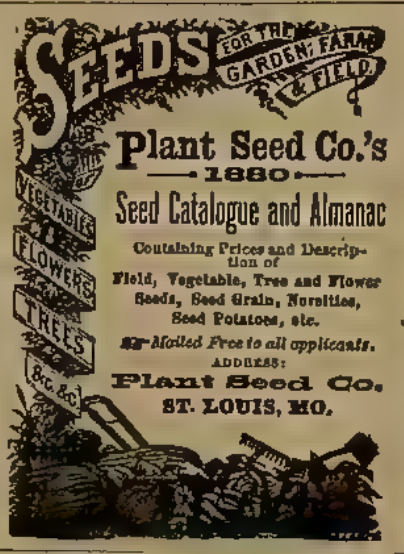
—FOR—

For Victoria, B. C.; Port Townsend, Seattle, and Tacoma.

Connecting at Tacoma with Northern Pacific Railroad for Portland, Oregon, and at Seattle, with local Steamers for Skagit River and Mines.

On the 10th, 20th and 30 of every month.

WILLIAMS DIMOND &CO.,
General Agents.
San Francisco January 1st. 1880.



Plant Seed Co.'s
—1880—
Seed Catalogue and Almanac

Containing Prices and Description of Field, Vegetable, Tree and Flower Seeds, Seed Grain, Novelties, Seed Potatoes, etc.

Mailed Free to all applicants.

ADDRESS:
Plant Seed Co.
ST. LOUIS, MO.

CO-PARTNERSHIP NOTICE.—THE BUSINESS heretofore conducted by HENRY B. WILLIAMS, under the firm name of WILLIAMS BLANCHARD & CO., will be continued and carried on by the undersigned, who assume all contracts, and will receipt and liquidate any and all indebtedness due from and owing by said firm name of WILLIAMS, DIMOND & CO.

HENRY B. WILLIAMS,
A. CHESEBROUGH.
W. H. DIMOND.

San Francisco, December 31 st, 1879

Fearless Railway Threshing Machine.

We call the attention of farmers and threshermen to the advertisement of the Fearless Horse-Power and Thresher and Cleaner, elsewhere in this number of our paper. This machine is the only one that received an Award on both Horse-Power and Thresher and Cleaner at the Centennial Exhibition, Philadelphia, and ranks as best of its class. An Ex-President of the New York State Agricultural Society said of Harders' Machines, "they are the best ever made", and the same testimony has been borne by equally good authority time and again.

For further information send to Minard Harder, Cobleskill, N. Y.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the *information of their Wants.*

SANTA CLARA VALLEY Nursery.

Trees, Plants, Shrubs.

I OFFER FOR SALE THIS SEASON A LARGE GENeral assortment of Nursery stock; Fruit Trees, small Fruits, Shade and Ornamental Trees and Plants.

ROSES, in great variety and choice.

APPLE and PEAR SEEDLINGS at reduced prices.

Also the MIPOBOLAN PLUM, which does not sucker.

To parties buying largely I offer special inducements.

Catalogues free on application.

BERNARD S. FOX, Proprietor.
San Jose, Cal.,

Thomas Meherin, Agent.
516 Battery Street,
SAN FRANCISCO.

49:20 3m

W. H. FLETCHER,

Shipping and General Commission Agent,

SYDNEY.

HAVING HAD CONSIDERABLE EXPERIENCE IN the Australian Trade is in a position to purchase and ship Colonial Merchandise and to attend and promptly, to the disposal of Californian Produce consigned to him for sale.

REFERENCES.

HUGH CRAIG, Esq., 307 California Street.
MESSRS. WARREN & CO., San Francisco.

49:10

ROYAL SEMI-PORCELAIN DINNER SETS REDUCED TO $7.50

OUELETS - - 75 Cents per dozen.
TUMBLERS - - 50 Cents per dozen.

Other Goods in Like Proportion.

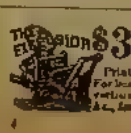
O. LAWTON & CO.,
809 AND 811 MARKET STREET
49:17 SAN FRANCISCO.

Our latest improved sawing machine cuts off a 2-foot log in 2 minutes. A $100 PRESENT will be given to two men who can saw as much in the old way, as one man can with this machine. Circulars sent free. W. GILES, 741 W. Lake St., Chicago, Ill.

CAUTION.—We are stopping all infringements upon our Patents, and have sued W. W. Bostwick and Farmers Manufacturing Co. for making machines like ours. We have also sued W. H. Clark, of Star City, Ind., for using and selling said machines. 49:20 1m

My Annual Catalogue of Vegetable and Flower Seed for 1880, rich in engravings from photographs of the originals will be sent FREE to all who apply. My old customers need not write for it. I offer one of the largest collections of vegetable seed ever sent out by any seed House in America, a large portion of which were grown on my six seed farms. *Full directions for cultivation on each package.* All seed *warranted to be both fresh and true to name*; so far, that should it prove otherwise, *I will refill the order gratis.* The original introducer of the Hubbard Squash, Phinney's Melon, Marblehead Cabbages, Mexican Corn, and scores of other vegetables, I invite the patronage of *all who are anxious to have their seed directly from the grower, fresh, true, and of the very best strain.* New Vegetables a Specialty.

49:20 3m JAMES J. H. GREGORY, Marblehead, Mass



$3 Printing Press

Prints cards (size 3x5 inches) &c. (Catalogue $5) 18 larger sizes for business or pleasure, young or old. Do your own advertising and printing. Catalogue of presses, type, cards, &c., for 2 stamps. Kelsey & Co. Meriden, Conn.

The Great Remedy

The Eucalyptus Cure!

DAVID CLARKE'S
Liver and Bilious Pills.

Full Directions for Use Accompany every Box.

—ALSO—

CLARKE'S
Concentrated Compound Fluid Extract
—OF—
EUCALYPTUS
Clarke's
LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.

They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1872.

To MR. DAVID CLARKE, Chemist, Warwick.

DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed good *health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON.

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 23, 1874.

TO MR. DAVID CLARKE, Chemist and Druggist, Warwick.

DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.

I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)
JOHN GREEN,
Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus

"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.

COL. WARREN—*Dear Sir:*

I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,

GALEN CLARK,
Commissioner Yosemite Valley

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, coming from so high a source, we feel it a duty we owe to the public to give it the following letter:

SANTA CLARA, SANTA CLARA COLLEGE.

COL. WARREN—*Dear Sir:*

Heretofore we have had no occasion of trying the Eucalyptus Medicines, in Pills or Liquids, but we have commenced to use them, and we find them very beneficial; some of our Fathers find a great relief in their complaints; the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare. Yours respectfully,

A. CICHI, S. J.

At later date we received the following, another proof of the virtue of this Medicine:

The Pills we find to be a mild and beneficial cathartic. The Liquid Extract is a valuable Blood Purifier and a good appetizer. A. CICHI, S. J.

The above from Prof. Cichi, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedial.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you David Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY
David Clarke,
Manufacturing and Wholesale Chemist,
AT HIS LABORATORY,
Warwick, Queensland.

FOR SALE BY
WARREN & CO.,
SOLE AGENTS FOR THE
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N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

PHIL NEIS,

Hop Dealer and Commission Merchant,

HOPS AND BARLEY SPECIALTIES.

Pressed Hops in ¼, ½, and 1 pound Packages.

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SAN FRANCISCO. 49:1

DO YOU WANT $225 A DAY? We Men & Women $225 Wanted. Pay to QUAKER CITY GALVANIC CO Philadelphia Pa.

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Agriculture.

Plow deep, while sluggards sleep,
And you shall have corn to sell and to keep.

AGRICULTURAL EDUCATION.

Do Agricultural Colleges Make Farmers?

It has often been asserted by those who are opposed to Agricultural Colleges, and especially by those who object to having any State money expended in this direction, that the Colleges do not turn out farmers, that a college course tends rather to turn the graduate from, than towards the farm, when his studies are finished.

In his address before the Legislature of Michigan President Abbot, of their Agricultural College, alluding to this oft repeated assertion, and makes the following statement regarding the policy pursued at that institution, and the results attained thus far:—

"It has been the design, says the President, of those who manage the Agricultural College, to create a bias towards, and not away from the farm; to make the whole atmospher of the place one of respect for all kinds of work, and a feeling of fellowship with farmers. To this end manual labor is insisted on from all, if we can speak of insisting on what students offer in excess of our requirements. To this end there is no furnishing of easier or more tasteful work to the seniors than is given to other students, the habit of work and taste for it is kept up to the end. To this same end the labor system and the instructions are planned to match each other, so that to the labor is given some of the dignity of scientific work, and to the scientific instruction labor serves as a kind of laborated practical instruction.

The result of these efforts to create a truly agricultural school appears in the fact that in place of 1½ per cent.. of graduates going to farming, as from *other colleges* 38 per cent. or, not counting those not living and those who are still students, 42 per cent. have gone to farming, fruit raising, and the nursery business as their chief or only business. In this respect the college is doing what it has never been doing before,—sending men with good education in fair progress back to work on farms."

[We would call the attention of our farmers, especially those who have *sons to Educate*, to the above notice of the Michigan Agricultural College and its real progress for the *Agricultural Student*, and we would ask our Legislators why California should not give to farmer's sons the same inspiration for an agricultural education; why in our State University we have only three or four agricultural students, and why in a state rich as ours we have no AGRICULTRAL COLLEGE as was designed by the Princly gift of our nation, yet we have no agricultural farm—ED. FARMER.]

HORSE RACING and SUNDAY SCHOOLS

[The AMERICAN AGRICULTURIST, which we can truly say is one of the very best AGRICULTURAL JOURNALS published in this, or any other country, has always been opposed to the great injury done to the cause of "AGRICULTURAL FAIRS" by the 'Horse Racing," and the "Gambling" plans which attend these fairs.

In a recent number of this excellent Journal we find the following capital article, it is indeed a "pat" illustration. ED. FARMER.]

HORSE RACING AT FAIRS.—A "PAT" ILLUSTRATION.—On page 455, last month, we took care to withhold any editorial endorsement of an implied sanction of horse-racing, etc., at Fairs by our stated contributor. He himself wrote half in vexation at the state of things, as we know he has for many years labored to secure a different state of affairs. We refer to the matter now to give an extract from a letter from one of our Nebraska readers:—It occurs to me that we might increase the usefulness of our Sunday-Schools by making them more attractive. This could be done by establishing a 'cock-pit' in connection with each school. It is 'innocent amusement'; no cock need fight unless he wants to; by doing this we would attract a great many low characters and other people that need the influence of a Christian education, that can never be reached unless our Sunday-Schools are made more attractive. Charge twenty-five cents, ten per cent to go to the owner of the winning chicken, and the rest to go to keep up the school. This plan will also serve a good end in creating an interest in breeding good chickens. In wealthy communities, when people can afford it, we might have a dog fight after Sunday-School as a sort of side-show; make the admission fifteen cents, and use the proceeds for missionary purposes and in extending the Sunday-School. Call a National Sunday-School Reform Convention, and make the writer of the article President and me Secretary. Get Commissioner Gen'l LeDuc to recommend it in his coming Report, on the ground of its tendency to create an interest in the improvement of chickens and dogs.

Mr. Frank Hatton, editor and proprietor of the Burlington (Iowa) *Hawkeye*, has been appointed postmaster at Burlington, Iowa.

Mr. E. D. Gray, M. P., proprietor of the *Freeman's Journal*, Dublin, Ireland, has been elected Lord Mayor of that city.

Two gifts are offered to men in this world; they very seldom can have both. One is success, with weariness; the other failure, with hope. The man who succeeds finds that his success does not amount to a great deal; the man who fails, but keeps his hope, is the happy man.

The first watering-place hops of the season are managed by frogs.

STOCK BREEDING.

Breeding From Unsound Mares.

It is often the case that mares especially, after having broken down through some inherent defect in the feet or legs, so that they can no longer be profitably used, are relegated to the breeding stud to transmit again the malformation that made them worthless, to their progeny. Like does not always beget like in every feature and detail, but in general terms the saying is a true one, and defects are just as likely to be transmitted as good qualities. Mares or Stallions disabled or crippled by accident, and not from constitutional tendency or weakness in any particular, may be safely used for breeding purposes; but those that have given away through weakness or defects in any parts of the animal machinery should always be rejected.

[Here is a lesson for all breeders of horses who are not well skilled in the Science should carefully observe.—ED. FARMER.]

Whim of Fashion in Breeding.

The whims of fashion in regard to the color of Short-horn and Jersey cattle, and the fashionable marking of swine and poultry, are most seriously detrimental to the improvement that intelligent and public-spirited men are laboring to bring about in our farm stock. Where is this craze about color to stop? What proportion of pure Short-horns are red? Probably not one in five; and a herd made up of animals red—all red—in color, will be constantly throwing produce of mixed and, occasionally, of white colors. It is, therefore manifest, that, if we are to discard all colors but the red, the marvelous improvement that is being made by the use of this blood in our stock in all parts of the country must be arrested. And the same will be true in regard to the improvement in dairy stock for special purposes, in which the blood of the Channel Islands cattle is resorted to, if as Fashion now insists, all animals, regardless of profitable excellence, are to be rejected that are not of "solid colors."

Winter Management of Sheep.

Untiring vigilance is the price of the complete success in live-stock husbandry—and to this general rule the sheep-fold furnishes no exception, if, perchance, exception is anywhere to be found. The success of the past is certainly and so rapidly countervailed by the mistake of the present, that whose thinks he stands still will soon find himself behind those compeers who have escaped the consequences of his folly through constant efforts at advancement. A liberal provision of proper food must be followed by a supervision that will insure its prudent distribution among the members of the flock. The necessities of to-day are not to be measured by those of yesterday, nor those of to-morrow by any of its predecessors. A change of temperature, the necessity of confinement to shelter to escape the rigors of the storm, a temporary diminution in the water supply, may each necessitate a slight change in the quantity of food, or manipulation—of which the flock-master should at once be the judge and the executor. The value of many little attentions to the comfort of the flock lies in their timely rendering. Hence it is that the hours of timely labor will save days of toil and disappointment to the near future.

[How many of our sheep-men, and most of our Stock-men neglect to provide a proper supply of food for a Winter like the present. Five acres of Ruta Baga, Beets, or Carrots would give from 100 to 150 tons of roots, and at a cost of only some $50. would save stock worth thousands of dollars, but these neglects and care for their stock, punishes them justly for their shiftlessness, but we pity the poor starving animals—ED. FARMER.]

NEW YORK WOOL CIRCULAR.

Messrs. Coates Brothers, wool dealers of Philadelphia, says:—

Since our issue of the 15th ultimo wool has again advanced and markets have been characterized by by unusual activity and excitement. The recent advance on some grades have been very marked. Although the previous activity has demonstrated the scarcity of domestic wool, yet consumers felt confident of being able to supply their wants from the foreign markets which have heretofore ruled low in price, but late advices from abroad show an advance there which will prevent certain competing kinds of foreign from being imported, and this fact has had the effect to at once advance domestic here. Desirable fleeces are now in small supply and sell readily at good prices. Tub washed and pulled wools are closely sold up. Unwashed wools are scarcely to be had. Territory wools are wanted at fully advanced prices. Colorado and New Mexican Spring wools are nearly out of stock and Fall has not arrived here yet to any extent. The outlook for Fall is very promising at trong prices. Manufacturers are very busy and are continually refusing orders for goods.

The oldest timber in the world which has been use by man, is supposed to be that found in the ancient temples of Egypt. It is found as dowel-pins in connection with stone-work which is known to be at least 4,000 years old. These dowels appear to be of tamarisk or shittim wood, of which the ark is said to have been constructed—a sacred tree in ancient Egypt, and now rarely found in the valley of the Nile.

The high standard to which the Dairymen of this country have brought their butter is owing in a great measure to the invention of the Cooley Creamer, although this system has been before the public but three seasons, nearly 8,000 dairies and factories are now using them. Butter made by this process has taken the sweepstakes at nearly every fair when exhibited. The Cooley Creamer is advertised in our Columns.

MICHIGAN has doubled her wheat product in six years. This year it will be about 31,294,000 bushels against 15,456,202 in 1873.

YIELD OF COWS in MILK.

Cows vary, as is well known, very much in the quantities of milk they give, and it is the richness of their milk.

Henry Stephens mentions a cow, half-bred Shorthorn and Galloway; that gave 45 (imperial) quarts a day; equal to 54 wine quarts. Mr. Pigot found that 120 lbs of milk gave, on an average, 60 ounces of butter.

Mr. Willis', of Bedal, cow Eleanor (Shorthorn Herd-book, x. p. 345) produced:

		lbs. oz.
A. D. 1851, at 3 years old, from 1 week's cream,		18 .0 butter.
" 1854, at 7 "		21 .4 "
" 1857, at 9 "	1st week after calving,	24 .0 "
	2d " " "	24 .8 "

16 ounces to the pound.

The large "Yorkshire Shorthorns" that supply London with milk give, for the first few months after calving, from 20 to 30 imperial quarts of fairly good milk. They have, per day, each, one bushel of brewers grains, one bushel of turnips, and as much as they can eat of good aftermath meadow hay. The turnips are given *immediately* after milking, and a small piece of saltpetre being placed in the pail, no taste then of the turnip is preceptible to the soverest judge. Milk sells for (or used to in my time) from five to six pence a quart; a pretty good price, as a quart of cream will make a pound of butter only. In this country brewers' grains are worth more than in England for two reasons—because the malt will not *melt* in the mash-tub, and because the brewers, particularly in the small towns, do not understand the art of extraction. Grains here are well worth the price paid for them, (generally 10 cents a bushel), but no more than half a bushel should be given to each cow a day. The rootlets of the malt (cummins) should be worth twice the price of grains. They are rich in nitrogen, and suitable for growing stock of all kinds. The sweepings of the malt-kilns are valuable for manure, but the quantity obtained is small.

[The above sensible counsel we clip from *The Illustrated Journal of Agriculture* of Monteal. Ed. FARMER.]

SANDY SOILS.

Of all the soils to be cultivated, or to be restored, none are preferable to the light, sandy soils. By their porousness free access is given to the powerful effects of air; they are naturally in that state to which draining and subsoil ploughing are reducing the stiffer lands of England. Manure may as well be thrown into water as on land underlaid by water. Drain this, and no matter if the upper soil be almost quicksand, manure will convert it into fertile arable land. The thin covering of mold scarcely an inch in thickness, the product of a century, may be imitated and produced in a short time by studying the laws of its formation. It is a well recognized fact that next to temperature, the water supply is the most important factor in the product of a crop. Poor soils give good crops in seasons of plentiful and well distributed rains, or when skillfully irrigated; but insufficient moisture in a soil is an evil that no supply of food can neutralize.

Sandy soils are rich in mineral constituents, and fail to give good crops in time of drought only on account of their inability to retain moisture. This can be obviated by the application of peat, or clay, or the sowing of clover—all of these enable it to retain moisture in times of drouth—and the decay of the vegetable substances in the soil give off carbonic acid, a powerful solvent of the soil. Peat contains two per cent. of nitrogen, or the same quantity of barn manure; but, as it is dug out, its nitrogen is locked up in the insoluble combinations, and, applied to land in this condition, brings in sorrel and coarse grasses; composting it with soda ash, to neutralize its acid, renders it soluble and fits it for food for plants at a cost of about two cents a pound for nitrogen. A cord of peat, as dug, weighs about 9,000 pounds, and, well dried will lose three-quarters of its bulk.

To this quantity add 100 pounds of soda ash, well mixed through it, in powder or solution, depending upon whether the peat is wet or dry, and leave it in a heap to ferment. The heap will need to be larger in cold than in warm weather to accomplish this; and, after it is fermented, turn it over once and it is then ready for use and in all respects equal to barn manure. If the land is in condition to bear clover, it is easily brought to a state to produce any crop; and, if not in such condition, it can readily be made so at a trifling cost for fertilization. A crop of three tons of clover contains the following constituents: 117 lbs. potash, 5.4 lbs. soda, 55.2 lbs. magnesia, 153.6 lbs. lime, 44.8 lbs phosphoric acid, 13.6 lbs. sulph. acid, 12.6 lbs. chlorine, 12.6 lbs. sulphur, 127.8 lbs. nitrogen.

Soils are not exausted when is seen the power a suitable crop has to liberate and convert the insoluble subatances existing in the soil and store them in the plant for future use. The clover should be cut for fodder the first year; the second year cut once for fodder then allow it to grow again and go to seed, which save for future use, and there is left in the soil to the depth of ten inches 6580 lbs. clover roots, which contain 77 lbs. potash, 19 lbs, soda, 46 lbs. magnesia, 246 lbs. lime, 71 lbs. phosphoric acid, 24 lbs. sulphuric acid, 180 lbs, nitrogen, available for a crop which, when plowed, leaves the land clear, light, retentive of moisture, and easily tilled, with available constituents in the clover roots and soil enough to produce any crop profitably, and the necessity of purchasing fertilizers and applying them is saved. The farm is made, as it should be, self-supporting, but it can only be done so by a judicious rotation of crops.

If this is not resorted to, fertilizers, which are much more costly, must be supplied. The constituents in clover roots above, amount in value, at prices commercial fertilizers are calculated at, to $35.17 for the nitrogen, phosphoric acid and potash alone, saying nothing of the other constituents, which are equally as important to the growth of crops. Rye is also a good crop to grow. There is left in an acre of its roots and stubble 3,400 lbs, containing 30 lbs. potash, 40 lbs. soda, 14 lbs. magnesia, 69 lbs. lime, 24 lbs. phosphoric acid, 12 lbs. sulphuric acid and 62 lbs. nitrogen.

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RAILWAY SUPPLIES.

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No. 52, 54, 56, 58 K Street,
SACRAMENTO.

N. ASHTON & SON'S

Liverpool Fine Salt.

IN UNIVERLAL USE THROUGHOUT THE EASTERN and Western States, and acknowledged far superior to any other brand of factory-filled salt.

Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth say $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory filled salt; therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1 when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $13, for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams, and for household purposes, it costs about 5½ cents extra per annum for a family of six. Why not use the best salt?"

For sale by

WILLIAMS, DIMOND & CO.,
218 CALIFORNIA STREET,
Sole Agents for Pacific Coast.

48 10

J. M. NEVILLE. O. H. BRYANT

NEVILLE & CO.,

Bag, Tent and Hose Factory

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South-East Corner of Davis Street,

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(Removed from their old place, 113 Clay Street, to their new and enlarged accommodations.)

IMPORTERS, MANUFACTURERS, AND DEALERS IN ALL KINDS OF

Bags, Burlaps, Duck,

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COOLEY CREAMER.

Supersedes large and small pans for getting milk.

It requires no milk room.

It requires capacity for one milking only.

Impure air, dust or flies cannot reach milk set in it.

It makes more butter, because it raises all of the cream, and the quantity is never lessened by unfavorable weather.

It makes better butter. It requires less labor. It is cheaper.

Butter made by this process took the HIGHEST AWARD at the INTERNATIONAL DAIRY FAIR held in New York, December 1878, and at the Royal Agricultural Exhibition held in London, June 1879, and brings the highest price in all the great markets.

Send stamp for the DAIRYMAN to

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Am BELLOWS FALLS VT.

LITTLE'S CHEMICAL SHEEP DIP

THIS NEW NON-POISONOUS SHEEP DIP, PRICE $2.00 per gallon. For directions and testimonials. Apply at

FALKNER, BELL & CO.,
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WATERS'

5 octave, $230 ORGAN—13 stops, 3 sets of reeds, octave coupler, and sub-bass, Patent Grand Organ and knee swell, black walnut case with handsome mirror top, stool and book, only $31 00.

WATERS' 7 octave Rosewood Pianos with stool, cloth cover and instruction book, only $142 00. WATERS' 7¼ octave Rosewood Pianos, with stool cloth cover and instruction book, only $154. 50. All my instruments new and fully warranted. Send for my illustrated catalogue. T. LEEDS WATERS, Agt., 140 & 143 William St., New York. Post-office Box 1750.

FRESH ALFALFA SEED.

New, clean, selected CALIFORNIA ALFALFA SEED in quantities from 10 pounds to tons, in lots, can be had at the lowest market price at

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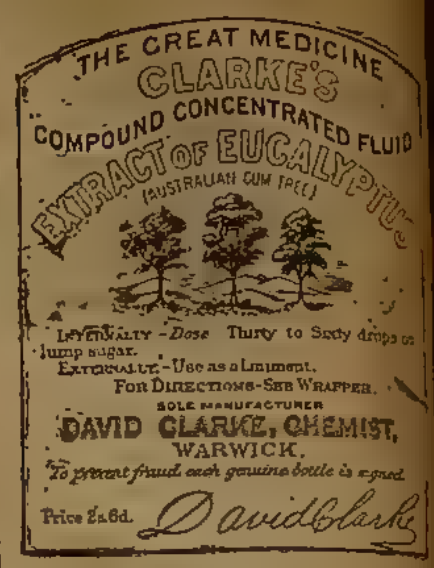
320 Clay Street.

BERKSHIRE SWINE RECORD.

A SPLENDID WORK IN THREE VOLUMES, ELEGANTLY illustrated with plates of the finest Berkshire Swine in the United States and the Canadas, sent out by the American Berkshire Association, is now for sale at the CALIFORNIA FARMER OFFICE 320 Clay Street.

The Great Medicine!!

We have appointed for the sale of this Medicine advertised in our columns the following

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SANTA CLARA.

The Remarkable Cures which have been effected by the Wonderful Remedials, known as CLARKE'S EUCALYPTUS REMEDIES from Australia, have, and are exciting a great influence among all those who have long been suffers by those terrible sources of suffering, RHEUMATISM, NEURALGIA, DYSPEPSIA, and FEVER AND AGUE.

These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.

Be sure you ask your Apothecary for the true Medicine, DAVID CLARKE'S EUCALYPTUS PREPARATIONS The only Genuine article.

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NEW TOOTH POWDER!

The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath.

DAVID CLARKE'S
Eucalyptus Tooth Powder,
The BEST EVER COMPOUNDED and destined to supersede all others.

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AGRICULTURE,
HORTICULTURE,
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STOCK RAISING,
BEE KEEPING,
POULTRY GROWING.

We invite our farmers to call at our Reading Rooms and look over the new and valuable books suitable for their profit and advancement. In addition to such as we have FOR SALE, we always have many for FREE DISTRIBUTION that our subscribers can have.

With many valuable and interesting works on all branches of each of these Important Industries.

For sale at lowest rates at

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DAIRY BREEDING CALENDAR

We invite Dairymen who desire a valuable "Dairy Breeding Calendar," containing very excellent items of great value to them, to call and examine the article named above—it is of but little expense, yet of great value.

CALIFORNIA FARMER OFFICE

50 FINE MIXED CARDS, with name, 10c. Agents wanted. Outfits 10c. Mention this paper, and address JOHN M. MAGUIRE, Sandwich, Ill.

Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

GROWING GRAPES

How many persons fail to have even a supply of grapes for their family, who have plenty of land to grow them on, from the supposition that they require expense, etc., to grow. Plant vines near your screens, barns, sheds and trees, and "let 'em run helter-skelter," only occasionally fasten a cane here and there. If they grow too densely, cut out every alternative cane. You will be surprised at the amount of fruit you will get for the little labor given. A neighbor has one vine that literally fills the top of an old, worthless, seedling apple tree, and that *one* vine supplies his family. Shame on you who have land, and no grapes. Let the new, tender kinds alone, and plant out a Concord or Hartford.

The above we clip from the *New England Farmer*; these words are a capital *rebuke* to gross negligence, yet while we would not approve careless culture, we know all our *Native Grapes* should be grown *naturally on trees*, they will yield better. We hope many of the native kinds will be grown here.

CALIFORNIA GRAPES.

The "*American Agriculturist*" says, the grape growers in California have at last learned what varieties of grapes will transport the best, and to pack them so that they will arrive in excellent condition. By the box they retail here about 20 cents per pound. Still, when one can get thoroughly ripe Catawbas, from Keuka Lake and thereabouts for five cents per pound, one who knows grapes has little temptation to buy any here, however attractive they may be to the eye. There is no grape, native or exotic, to our taste, superior to a *thoroughly ripened* Catawba, except the Iona, in the same condition, but that is becoming more and more scarce.

Always Plant Good Seed.

Good vegetables and beautiful flowers can not be grown from inferior Seeds. If our readers would secure the best, they should purchase only those grown and put by old-established and reliable parties. D. M. Ferry & Co., of Detroit, Mich., whose advertisement appears in our columns, have been in the seed business for twenty-five years, and we believe are as well and as favorably known as any house in the business in the United States. Their trade extends to every hamlet in the country, and they pride themselves in sending out only the very best of all varieties of Seeds. We would advise all purchasers to procure their catalogue before buying.

Directions for Planting Tree Seeds.

All nut and hard shell seeds should be soaked in warm water, milk and water is better, and hot too. If convenient, let stand until the rind is softened, then placed in the earth as follows:

A seed of choice nut trees, or of ornamental and shade trees, will do better if planted in good sized boxes, and when 6, 8 or 12 inches high to be transplanted where they are to stand.

THE SOIL AND PREPARATION.

Take of good rich loam (virgin soil) one-third, one-third sand, and third very old decomposed manure, mix them thoroughly, then prepare boxes with holes in the bottom for drainage. Fill these boxes two-thirds full of this compost, and plant the seeds, each in separate boxes, and in thickness according to the size of the seed, then sift over them good rich soil and loam only, about 1½ to 2 inches, and over this cover with an inch of sawdust, then sprinkle with a fine syringe or water pot, the sawdust keeps the surface from baking. Keep the boxes in a light and cool place, free from the sun (which dry the surface) till the seeds are up and show 2 or 3 leaves, then bring gradually into the sun and air.

A NEW BOOK.

"UNDER THE WILLOWS; OR THE THREE COUNTESSES," by Mrs. Elizabeth Van Loon, author of "A Heart Twice Won," and "The Shadow of Hampton Mead," is published this day by J. Peterson & Brothers, Philadelphia, and undoubtedly will be found to compose an original and striking work of fiction. It is not among "the lost arts," about which a writer used so eloquently to discourse some years ago. Some of the characters are American, but the action shifts from the New World to the Old—from this country to England, France, and Italy, and is a strange mixture of reality and romance. Characters the most contrasted are brought together in the strangest and the most unexpected combinations, incidents the most startling are adroitly narrated with so much verisimilitude that the reader will be puzzled to know them, yet the improbable eventually turns out to be the truthful, and what might be anticipated from their actions does not occur. In these days, when society novels, professional novels, literary novels, tourist novels, and sensational novels are very numerous, it is a boon by way of relief, to have a story in which the author has retained the aboriginal example, so carefully "covered up," almost from the very first chapter, that the reader, even the practised reader, is kept on the qui vive, and is wholly unexpected winding up. "Under the Willows" is a romance of unbroken interest, in which the wild and weird are more largely developed than in most compositions of its class. In this respect it eclipses "A Heart Twice Won" and "The Shadow of Hampton Mead," preceding popular works from the same pen. It is published in a handsome volume, bound in morocco cloth, black and gold, price $1.50, and will be found for sale by all Booksellers and News Agents, and on all Rail Road Trains, or copies will be sent to any one in any place, at once, on any remitting the price in a letter to the Publishers T. B. Peterson & Brothers, Philadelphia, Pa.

Diphtheria.

This fearful disease is now doing its terrible work of death among the children of our State where ordinary remedies fail to arrest it.

Parents would but try the great Remedial Agent, the Eucalyptus, they could save their children from this direful death dealing scourge. Be sure and obtain the true Medicine, *David Nevell's Australian Remedials.*

WINE AND SPIRIT REVIEW.

From Messrs. J. R. Parkington & Co.,
Our Correspondent at London,
Crutched Friars, London, E. C., Nov., 25, 1879.

In many respects the Board of Trade Returns for November are of a very encouraging character, but for the figures having special reference to Wines and Spirits continue to show a decline in the demand, so that the total falling off in the general trade for the eleven months now amounts to about 3,300,000 gallons. Under such circumstances it is not astonishing to have to report several failures, besides which, if rumour speaks correctly, other firms if not successful in carrying through a strictly private arrangement, (which has lately become somewhat the fashion in our trade) with their creditors, will very soon be obliged to publickly declare their insolvency.

The excitement on our market, caused by the almost unprecedented failure of this year's vintage in consequence of bad weather, coupled with the *Phylloxera*, is cooling down, and speculative purchases are now rare, but prices still have an upward tendency, and had there been a brisk demand, instead of a decline in consumption, it is difficult to surmise what would have been the pretensions of growers and shippers, more especially those of the Brandy districts. This tremendous rise in prices, which we fear is unavoidable, as regards Brandy, Clarets, and Champagnes, is greatly to be regretted, and can only tend to check consumption just at a time when some decided impetus in the shape of a good value at moderate prices, is necessary to assist that revival which is at last commencing to reach the wine and spirit trade.

CLARETS—Many important transactions have taken place at very high prices. The 1878 yield of Chateaux Lafite and Latour have been sold at £40 per hogshead. Cheap and medium wines have been in great request, and prices have been proportionately high. The 1877's promise well, and several parcels have changed hands. A re-sale of about 4000 dozens of Cos d'Estournel 1877 has just been made at a handsome profit on first cost; the purchaser cannot fail to do well, as this growth is one of the most successful of the 1877's. Judging from the prices lately paid at Bordeaux, it will be difficult to offer a fair Claret under £6 to £7. The excessive cold weather has been a serious impediment to business, and there now appears to be a lull.

The total yield of 1879 in the 1st, 2th, 3d, 4th and 5th growths amounts to 1092 hhds, 3584 hhds, 2026 hhds, 1450 hhds and 3532 hhds respectively, as compared with 2178 hhds, 6734 hhds, 5448 hhds, 2722 hhds, 2888 hhds and 6352 hhds in 1877. The Sauternes districts have been far more fortunate, as the yield of the 1st and 2nd growths amount to 2296 hhds and 864 hhds as compared with 1060 hhds and 412 hhds in 1878, and 1854 hhds and 820 in 1877 respectively.

We now add important reports up to January 5th, 1880.

The history of the Wine and Spirit Trade for the year just closed, would, if such were possible, be written in blacker type than that of any of its predecessors, for though 1878 was characterized even by greater stagnation than 1877, resulting in a great measure, no doubt, from the then unsettled state of political atmosphere, coupled with the great difficulty of reconciling the opposing powers of capital and labor, the statistics for the past year shows a tremendous falling off, amounting we fear, in the aggregate to not much less than three and a half million gallons as compared with similar returns relating to 1878, which were already bad enough. It must not, however, be forgotten the great banking and other failures of 1878 ushered in the year with exceptional gloom, and trade generally continued to decline to such an extent that all hopes of any revival were altogether banished. Confidence was so shaken, that the Commercial status of firms in high positions on their respective markets, was fully discussed, and for several months all transactions were entered upon with the greatest possible caution. The Wine trade was no exception, and shippers, though most anxious to make sales, preferred to offer exceptional inducements for cash, rather than agree to the extended credits for which many, especially the weaker section section did not hesitate to stipulate. In addition, the weather did its best to conspire against the consumption of Wines generally, for seldom have we experienced such a long continuance of cold and wet weather, which to our other misfortunes, added a bad harvest, causing the greatest distress throughout the agricultural districts.

It is now, however, most satisfactory to notice the rebound in trade generally, and the improvement which is now visible in the staple industries of this country which must stipulate the demand for wines and spirits, and a good year may be anticipated with the greatest confidence. The financial position of our trade is not perhaps so unsatisfactory as might reasonably have been expected from such a continuance of depression, and although the failures have been numerous those of importance in amount have been few.

The agitation concerning the wine duties culminated at last in the appointment of Mr. Cartwright's select committee to inquire into the system under which Custom duties are levied on wines, but no change has been made. These inquiries proved injurious to trade, merchants not caring to import whilst there was any uncertainty as alteration in the duties.

The Wine and Spirit Association after a deal of anxious labor in various directions have succeeded in obtaining permission from the Treasury to allow of Spirits being bottled in bond *for home consumption* which should be considered a great boon to the trade. A great impetus will thus be given to many other branches of industry, such as bottles, labels, capsules, cases, &c.

The ravages of the *Phylloxera* have caused great consternation amongst the growers, but in addition the vineyards have all suffered from the exceptionally bad weather of 1879, resulting in a general failure of the wine crops; the Brandy districts having suffered the most from the *Phylloxera*, and those producing Champagne having been most affected by the continuance of bad weather. The estimated yield of the French vines for 1879 is only 30,473,473 *hectolitres*, as compared with 48,720,523 in 1878. The average production for the previous fifteen years being 55,624,772 *hectolitres*.

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J. L. DILLON
49:7 BLOOMSBURG, PA.
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Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, January 29, 1880.

Money and Exchange Tables.

Exc. on England, new style, long and short	4 83½ a 4 85
Gold, at par	— 1 00
Silver, at par	— 1 00
Value of Greenbacks, equal to Gold	—20 00
Value of Wheat in Liverpool	10s a 10s 9d.
Value of Club Wheat in Liverpool	10s 8d.a 11s.
Value of Wheat in New York, bushel	1 45 — 1 50
Brewers Barley in New York, bushel	1 00 — 1 10
Wool in New York	25 — 40

MONEY AND EXCHANGE TABLES.

The *Money Market* of our State and City, and even our whole Coast is in a very singular condition. One class crying out *there is no Money*, Merchants saying that business is dull, and yet our Banks (Savings) advertising they cannot receive large sums of *Money on deposit*, as they cannot loan it.

Surely a curious condition our *money market*, and yet the plain facts of the case are—Real Estate finds few or no buyers, very little building done, manufactories at a standstill, and many closing up, and added to this our rich men sending their *Capital* to New York for investment, and some will probably leave our State to reside in the great city of Gotham.

Money is abundant enough among the Banks and with Capitalists, it literally goes about begging investment. Stocks are not considered safe and the only way is to buy U. S. Bonds, as a sure investment.

The rates here are nominal, at the Bank 7 @ 10 per cent the Savings & Loan 8 @ 10 per cent, the lender paying the

Money in Europe as low as 2 @ 3 per cent per annum when *Money* thus goes round begging, business must remain dull.

GRAIN AND FLOUR MARKET

The *Grain Market* has been at quite a standstill for some time as to price. Every possible effort by holders of grain has been made to send up the price, but it could not be effected, and steadily has it declined.

The large number of cargoes of yet unsold grain in the English market, with the still greater number on the way from America, and the steady decline of values abroad these facts added to the very immense stocks now held in New York and Chicago, with immense reserves back in the grain States west of New York, now held "Ice bound" that will rush upon the market when rivers and canals are open, will assuredly send the price *Booming*, the wrong way, and we miss our *yankee guess* if those persons who labor to control the Grain Market of Chicago, smart, rich or *Keens* though they be, as Speculators, will find they have missed their figures somewhere.

The export of Grain and Flour has continued steadily on for many weeks—this to fill contracts and there will probably be 30 or 40 cargoes more be sent abroad this year of suffering.—The number of cargoes sent abroad from our Coast this year is larger than the year previous.

The *Flour Market* shows a little more life in the *Export Trade*, yet there is no very great activity in the trade, quite a steady export but not enough, or what should be when the superior quality of *California Flour* for its keeping qualities is considered.

The *Barley market* remains quite dull, demand for shipments light with prices in favor of the buyer.

Oats are without demand of any note. *Corn* is more active.

Rye and *Buckwheat*, but little demand or sale.

The *market* for *Feed Grains*, some little change in prices but no very active demand. The *Hay market* is specially dull.

The *Hop market* is now cleared out and quiet reigns, the effervescence is subsided by the clearing out of all the stock in the market save perhaps some 4 or 500 bales, these are merely held by one or two men.

The *Honey market* is on the advance, receipts small, prices higher, sales quicker. Choice white honey brings the top of the market.—*Beeswax* wanted.

The *Bean market* now takes a higher stand for its crops—Beans are shipped to China and Japan and to Europe as well as Australia and other places. It is one of our great articles of export now, and pays the grower well.

The *Potato market* is in better condition, price grown better, the quantity received grown less, and they bring better rates—See our market table. *Onions*: few in market and prices higher.

The Markets have changed but little, so we *repeat* some items where there is no alterations needed.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 75 — 1 80
do Choice do	1 85 — 1 95
do Milling do	1 97½ — 2 00
Barley, per 100 lbs, feed	70 — 75
Barley, for brewing, (Chevalier)	1 55 — 1 75
Rye	1 10 — 1 20
Oats, California, per 100 lbs	1 15 — 1 50
Corn, do do	90 — 1 05
Flour, Superfine, per bbl	4 25 — 4 50
do Extra	5 00 — 5 50
Extra Flour for shipping	5 50 — 6 00
Very Extra Family Flour	6 00 — 6 25
Oregon Superfine	4 25 — 4 50
do Extra for Shipping	5 25 — 5 50
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 50 — 1 65
Bran per ton	18 00 —18 50
Middlings per ton	20 00 — 22 00
Ground Barley	17 00 —18 00
	—24 00
Oil Cake Meal, for feed, per ton	
Beans, per 100 lbs, various	1 25 — 1 40
Beans, Lima	6 00 — 6 50
Potatoes, common	25 — 30
Potatoes, choice	60 — 75
Early Rose	30 — 40
Sweet Potatoes	1 40 — 1 50
Onions, new	1 20 — 1 40
Hay per ton, ordinary	8 50 — 9 00
Hay per ton, extra	10 00 —11 00
Wheat Hay	11 00 —13 00
Alfalfa Hay	—
Straw per ton	4 00 — 5 00

Retail Prices in the Vegetable Market.

The display in our *Vegetable market* is enough to satisfy all our housewives, for they can find all they wish and at a very low price too.—Our markets are full of good things.

Asparagus	— —
Artichokes, (French) per doz	10 — 15
Tomatoes, per lb	— —
Beets, per doz	— 25
Broccoli, each	6 — 10
Cauliflower	8 — 10
Cabbage, do	10 — 25
Carrots, per doz	— —
Celery do	75 — 1 00
Celery Root per dozen	— 75
Cress, per dozen bunches	10 — 12
Cranberries, per gallon	60 — 80
Dried Herbs, per doz	30 — 40
Green Peas, per lb	— —
Lettuce per doz. bunches	10 — 12
Onions per lb	5 — 6
Horseradish, per lb	10 — 12
Okra, green, per lb	— —
Okra, dried, per lb	— 50
Choice Potatoes	½ — 2
New Potatoes	2 — 3
Potatoes choice, per 100 lbs	1 00 — 1 50
Kidney Potatoes, per lb	2 — 3
Pumpkins	½ — 2
Parsnips, per doz. bunches	— 15
Salsify, do. do.	— 15
Parsley, do. do.	15 — 20
Pickles, per gallon—	40 — 60
Radishes per doz. bunches	5 —
Rhubarb, per lb.	— —
Squash, Marrowfat	— 5
do. Hubbard	3 — 4
Lima, Dry	8 — 10
String Beans, per lb	5 — 6
Spinage per lb	— —
Salsify, per bunch	4 — 5
Turnips, per doz	— 15
Garlic	8 — 10
Eschalot	15 — 20
Mushrooms	12 — 15

Fish Market.

The *Fish market* offers a great variety of every kind that any taste may crave.

Salmon ₱ lb	8 — 10
do smoked new	8 — 8
do pickled, ₱ lb	8 — 10
Lake Tahoe Trout each	15 — 20
Lake Tahoe Trout, extra	20 — 25
Halibut	20 — 25
Smelts, per lb	— —
Perch do	— —
Rockfish do	— —
Codfish, dry, per lb	— —
Herring, fresh, per lb	— 5
do smoked, ₱ lb	— 25
Tomcod, per lb	— 12
Sardines, fresh, per lb	— 10
Solefish, per lb	15 — 20
Mackerel pickled, each	— 25
Shrimps, per lb	8 — 10
Flounders do	12 — 15
Sea Bass do	15 — 20
Halibut do	20 — 25
Sturgeon do	3 — 4
Turbot do	25 — 30
Terrapin, ₱ doz	2 50 — 3 00
Pompono do	— 2 50
King Fish do	— 25
Anchovies do	12 — 17
Frogs, per doz	2 00 — 2 50

Shell Fish.

The *Shell Fish market* now gives to the epicure all he may crave. As fine *Bivalves* in our markets as in any market in the Eastern Cities.

Oysters ₱ 100 choice	60 — 75
Chesapeake oysters per dozen	50 — 75
Coon Fish, per lb	12 — 15
Clams per 100	— 50
Mussels do	— 25
Crabs, boiled, each	— 25
do soft, per doz	— 50

Retail Meat Market.

The *Retail Meat markets* shows a well supplied market and complete as any Meat Market in our Union.

Porter House	15 — 18
Porter House, extra	18 — 20
Beef, tenderloin, per lb	15 — 18
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	5 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	8 — 10
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	0 — 6
Beef tongues, each	— 75
Pigs tongues, each	— 15
Bacon, California, salt per lb	13 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	13 — 15
Choice hams, Duffield	15 — 16
Whitaker, St. Louis, Mo	15 — 16

Poultry and Game Market.

The *Poultry Market* is fully supplied and the demand keeps up with it so as to make prices steady.

Game of all kinds is very abundant, and prices low enough to satisfy the closest purchaser—no person need go hungry now with our markets so full, and prices so reasonable.

Ducks tame each	75 — 90
Geese tame, per pair	2 00 — 2 50
Broilers	40 — 50
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	22 — 25
Pigeons, domestic, per doz	4 00 — 4 50
Quail, per doz	1 50 — 2 00
Hares each	25 — 38
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Venison	10 — 15

Poultry and Game—Wholesale.

Broilers, per doz	3 00 — 4 00
Large Chickens, per doz	5 00 — 6 00
Hens, per doz	6 00 — 7 00
Turkeys, dressed, per lb	18 — 22
Ducks, tame, per doz	5 50 — 7 00
Quail, pe. doz	1 00 — 1 50
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Rabbits, tame, per doz	1 50 — 1 75
Squirrels, per doz	75 — 1 00
Venison	5 — 8

Retail Dairy Market.

The *Dairy market* is so fully supplied that prices have fallen and Home Stock and Foreign are all lower in price as will be seen by our quotations.

Home made *butter*, our Fresh roll butter is good, but packed butter there is to much of it poor—while the Eastern butter most of it is not fit to eat.

Cheese is plenty and quite low in price.

Eggs are coming in so freely that prices have fallen 30 per cent in a few weeks.

Butter, California, Extra Choice per lb	30 — 35
do do fair (Cooking) do	25 — 30
do do packed best roll	25 — 30
do do Eastern	20 — 25
California Eggs, per doz	28 — 30
Oregon	25 — 30
Duck Eggs, do	25 — 30
Cheese per lb	15 — 20
do Sage, per lb	25 — 30
Eastern Cheese, do	25 — 30
Lard, California, per lb	10 — 18
Lard, Eastern, do	— 1
Honey, Comb	15 — 18
do Strained	10 — 12
Vermont Maple Sugar, per lb	20 — 25

Dairy Produce, Eggs, etc.—Wholesale

Butter, California, per lb. (Fresh)	25 — 30
do Packed Roll, do	20 — 22
Eastern Butter	15 — 02
Cheese, California, per lb	10 — 1
California Eggs, per doz	28 — 30
Eastern Eggs, per doz	15 — 20
Duck Eggs, "	25 — 2
Lard, per lb., in tins	12½ — 1
Eastern Lard, per lb., in tins	13 — 1

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging Market* is considerably ex ed with hope for high prices *next season*, the present is over—the enormous area of land that will be planted with grain this year induces a belief that the amount of *twenty eight* or *thirty million* sacks will be wanted for the harvest of 1880, gives a good assurance of higher rates for bags, which now rule @ 1 @ 10½.—One thing is very certain the great abundance of rain gives a goodly assurance of this now.

Hand Sewed Bags, Standard, 22x36 com. prices 10	— 10½ cts.
Second Hand, Extra	9 — 9½ do
1 a line Sewed, 22x36	8½ — 9 do
do do 20x36	— 8½ do
Barley Bags, 22 x 40	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— 8½ do
Wool-sacks, new	45 — 55 do
do second hand	30 — 40 do
Potatoe Gunnies, Double Sewed	14 — 16 do
do do. Second Hand	10 — 10½ do
Flour Bags, quarters	4½ — 5 lo
do halfs, six qualities	7 — 9 do

Staple Home Products.

Our *Home Products* The large and increasing amount of our Raisins (the famed raisins of R. B. Blower that excel all the imported,) together with our dried and preserved fruits, our nuts, almonds, oranges, and lemons, that are now shipped abroad, give assurance that the Golden State will soon drive all foreign fruit of this kind out of the market, for we can grow and produce these articles better and cheaper than any nation of earth.

Flax Seed, per lb	2½ — 3
Hemp Seed, per lb	5 — 7
Castor Beans, per lb	3 — 3½
Castor Oil No 1 Diamond in cases, per gallon	— 1 50
" " " barrels "	— 1 30
Castor Oil, No. 2 Diamond in cases per gallon	— 90
" " " barrels "	— 85
Linseed Oil, Boiled	— 85
do. Raw	— 83
Cocoa Oil	— 55
Hops, California	7 — 18
Hops, new	25 — 38
Alfalfa	8 — 10
Mustard Seed	4 — 6
English do	4 — 5
Canary Seed	2½ — 3½
Coriander Seed	8 — 10
Broom Corn	3 — 5
Bees Wax	28 — 25

California Leather Market Report.

The *Market for Leather, Hide* and *Tallow* are all quite active with full prices, and a turn upward. If any change, tallow is the least active.

California Sole Leather	28 — 32
do. Harness do	28 — 30
do. Skirtings	30 — 37½
Bridle Leather	24 — 34
Rough do. Oak Tanned	18 — 22
Waxed Calf Skins	50 — 1 00
do. Kips do per dozen	30 00 —55 00
do. Leather per foot	13 — 16

Wool, Tallow, Hides, Etc.

The *Wool Market* is completely bare. Our New York Boston, and Philidelphia reports all speak of good demand and high rates.

We have the excellent wool, stock and land report of Messrs. Falkner, Bell, & Co., also the wool report of Messrs. E. Grizar & Co., full of valuable data, from those we shall give particulars in our next.

The wool and sheep interest have greatly improved in the last six or eight months, and sheep that were sold @ 50 cents per head or given away, are now worth $2,00 to $3,00 each

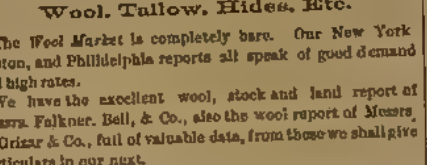
Better times coming, Sheepmen!

Wool, Spring Clip	30 — 35
do. Choice Extra	28 — 30
Fall Clip	20 — 25
Oregon Wool, per lb	24 — 30
Eastern Oregon	25 — 30
Medium, bright	18 — 22
do. burry	13 — 15
Goats' Wool (mohair)	30 — 75
Dry Hides, per lb	18 — 20
Green Salted, per lb	8 — 9
Deer Skins	60 — 1 00
Sheep Skins, wool on	25 — 75
do. do. plain per dozen	1 50 — 5 00
Goat Skins, each	50 — 1 00
Tallow various grades	5 — 5½
Tallow, refined	7 — 8

Average Slaughtering Prices.

The *Wholesale Cattle Market* has improved lately in the quantity and quality offered in market—prices have taken a higher rate for *Choice Beef* and *Calves* are scarce and higher. *Lamb* is higher. *Mutton* steady. *Hogs* on hoof, and dressed, are both higher.

Beef, American, 1st. quality	7 — 8 ½c.
do. do. 2d. do	6 — 7 do
do do 3d. do	4 — 5 do
Veal	6 — 7 do
Mutton	6 — 5 do
Lamb	7 — 8 do
Pork, Undressed	3 — 3½ do
do. Dressed	4 — 5 do



Stands unequaled for ease of turn, the Horse Power real, as shown by the records with more than one-third less friction than any other. The only Cast Iron Frame

CENTENNIAL MEDAL

as both Horse Power and Thresher and Cleaner, at the Centennial Exhibition, as shown by Official Report, which says "For special features in the Power to secure light running and minimum friction. For the ingenious form of the Straw Shakers, which insure the proper agitation to separate the grain from the straw." For Catalogue, Price-List, and full report of trial, address

MINARD HARDER, Cobleskill, Schoharie Co., N. Y.

49:21 1m

Sydney International Exhibition.

ROUND THE WORLD TICKETS.

THE PACIFIC MAIL STEAMSHIP COMP'Y

Will issue **Round the World Tickets.** giving first-class accommodations for the entire route, at the low price of $650. For particulars apply to

WILLIAMS, DIMOND & CO.,

General Agents,

Corner First and Brannan Streets.

49:15

Central Pacific Railroad.

Notice to Shippers.

Please take notice that this Company will maintain, for transaction of business in Oakland, TWO STATIONS, viz

MARKET STREET AND SIXTEENTH STREET

and to avoid delays we would request shippers to state on receipt, name of station to which freight should be delivered; as in the absence of same all consignments will be taken to Market Street.

J. A. ANTHONY,
Agent.

SAN FRANCISCO, Jan. 15, 1879.

EUCALYPTUS.

The Giant Conqueror.

The universal testimony of every person who has tried CLARKE'S GREAT REMEDIALS, as "Blood Purifiers" that they never fail to benefit and in most cases perfect a cure.

There are many *spurious* Eucalyptus. preparations.

The Only Genuine are those prepared by

DAVID CLARK, Chemist,
Warwick, Australia.

☞ See large advertisement.

C. P. R. R.

OVERLAND TICKET OFFICE,
Oakland Ferry—Foot of Market Street,
COMMENCING

SUNDAY, DEC. 28th, 1879,

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:30 A. M., Daily—Local Passenger Train via Oakland, Niles, Livermore and Stockton, arriving at Sacramento at 1.40 P. M., and connecting with Atlantic Express. Connects at Niles with trains arriving at San Jose at 10:20 A. M., and at Galt with train for Ione.

7:30 A. M., Daily—Local Passenger Train via Oakland to Martinez and Antioch. Connects at Vallejo Junction for Vallejo, Napa (Stages for Sonoma,) St. Helena, (White Sulphur Springs) and Calistoga and (Stages for Geysers.) Sunday Excursion Tickets, at Reduced Rates, to San Pablo Vallejo, Benicia and Martinez.

9:30 A. M., Daily, Atlantic Express Train via Oakland and Benicia for Sacramento, Colfax, Reno, (Virginia City,) Battle Mountain, (Austin,) Palisade (Eureka,) Ogden, Omaha and East. Connects at Davis, Sundays excepted, for Woodland, Williams and Willows. Connects at Sacramento daily with the Oregon Express for Marysville, Chico, Red Bluff and Redding (Stages for Portland, Oregon.)

10:00 A. M. Daily, Local Passenger Train via Oakland, to Haywards and Niles.

3:00 P. M., Daily Local Passenger Train, via Oakland and Niles, arriving at San Jose at 5:25 P. M.

3:00 P. M., Daily Local Passenger Train via Oakland for Martinez and Antioch.

4:00 P. M., Daily Arizona Express via Oakland and Martinez for Lathrop (and Stockton,) Merced, Madera, (Yosemite and Big Trees,) Visalia, Sumner, Mojave, Newhall (San Buenaventura and Santa Barbara,) Los Angeles, Santa Monica, Wilmington, Santa Ana (San Diego,) Colton and Yuma (Colorado River steamers,) connecting direct with Daily Trains of the Southern Pacific Railroad of Arizona for Maricopa (Stages for Phœnix and Prescott,) and for Casa Grande, 182 miles east form Yuma, (Stages from Florence, Tucson and Tombstone.) Sleeping cars between Oakland, Los Angeles and Yuma.

Connects, Sundays excepted, at Vallejo Junction for Vallejo Napa, St Helena and Calistoga.

4:00 P. M., Sundays excepted—Sacramento Steamer from (Washington-street Wharf), for Benecia and Landings on the Sacramento River

4:00 P. M. Daily Through, Third Class Train, via Oakland, Martinez and Lathrop for Los Angeles and points to Arizona.

4:30 P. M. Daily Local Passenger Train via Oakland and Benicia, for Sacramento. Connects daily, except Sundays, at Davis with Local train for Woodland and Knight's Landing and at Sacramento with the "Virginia Express" for Reno, Carson, and Virginia. Sleeping Cars (except Sundays) Oakland to Carson.

4:30 P. M. Daily Local Passenger Train via Oakland for Haywards, Niles, and Livermore.

Public Conveyances for Mills Seminary connects at Seminary Park Station with all Trains, Sundays excepted.

5:00 P. M. Daily Overland Emigrant Train via Oakland Benicia, and Sacramento, for Ogden, Omaha and the East.

Connections for Vallejo made at Vallejo Junction from Trains leaving San Francisco 7:30 A. M., 9:30 A. M., 3:00 P. M., 4:00 P. M., and 4:30 P. M.

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND

"Daily"—6:10, 7:05, 7:30, 8:00, 8:30, 9:00, 9:30 10:00, 10:30, 11:00, 11:30, 12:00 A. M.; 12:30, 1:00, 1:30, 2:00, 2:30, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00 6:30, 7:00, 8:10, 10:30, 11:45 P. M.

"Daily, except Sundays"—8:10 A. M. and 11:45 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00 10:00, 11.00, 12:00. A. M.; 1:30, 2:00, 3:00, 4:00, 5:00, 6:00, 7:00, 8:10, 10:30, 11,45 P. M.

"Sundays excepted, "—9:00, 7:00, 8.10, 11:45 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 10:00 A. M.; 5:00 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—6:10, 7:30, 8:30, 9:30, 10:30, 11:30, A. M. 12:30, 1.00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10, 9:20, 10:20, 11:45P. M.

"Daily, except Sunday"—8:10, A. M. and 11:45 P. M.

FROM SAN FRANCISCO TO NILES.

"Daily"—7:30, 10:00, A. M. 3:00, 4:30 P. M.

FROM SAN FRANCISCO TO SAN JOSE.

"Daily" 7:30 A. M. 3:00 P. M.

FROM SAN FRANCISCO TO BERKELEY.

"Daily"—7:30, 9:30, 9:30, 10:30, 11:30 A. M. 1:00, 3:00, 4:00, 5:00, 6:00, 6:30 P. M.

FROM SAN FRANCISCO TO DELAWARE ST.

"Daily"—6:30, 8:00, 10:00, 12:00 A. M. 1:30, 2:30 3:30, 4:30, 5:30, 6:30 P. M.

"Sundays excepted," 6.10 A. M. 6:30 P. M.
Change Cars at West Oakland.

FROM DELAWARE ST. TO SAN FRANCISCO.

"Daily"—5:40, 6:30, 8:00, 10:00 12:00 A. M. 1:30, 3:30 4:30, 5:30, 6:30 P. M.

"Sundays excepted," 5:40 6:30 A. M. 6:30 P. M.

FROM BERKELEY TO SAN FRANCISCO.

"Daily"—5:40, 6:30, 7:30, 8:30, 9:30, 10,30, 11:30 A. M. 1:00, 3:00, 4:00, 5:30 6:00 P. M.
Change Cars at West Oakland.

FROM SAN JOSE TO SAN FRANCISCO.

"Daily"—7:10, A. M. 1.30, P.M.

FROM NILES TO SAN FRANCISCO.

"Daily"—7:00, 8:00, A. M. 2:25, 3:51, P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—5:10, 5:50, 6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 1:25, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 10:10 P. M.

"Daily, except Sundays"—5:10 and 5:50.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily except Sundays"—8:00, 10:00, 11:00 A. M., 6:00 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—5:00, 5:40, 6:23, 7:00, 8:03, 9:00, 10:03, 11:03, 12:00 A. M.; 1:00, 3:00, 3:20, 4:00, 5:00, 6:03, 7:20, 8:30, 10:00 P. M.

"Daily, except Sundays"—5:00, 5:40, A. M., 7:20, 8.30 P. M.
Alameda Passengers change cars at Oakland.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—5:20, 6:00, 6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:20, 10:50 11:20, 11:50 A. M.; 12:20, 12:50, 1:20, 1:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:25, 6:50, 8:00, 9:10 10:20 P. M.

"Daily, except Sundays" 5:20, 6:00, A. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

WINTER ARRANGEMENT.

Commencing Friday, Nov 21, 1879,

(AND UNTIL FURTHER NOTICE)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows:

8.30 A. M., *Daily* for San Jose and Way Stations. ☞Stages for Pescadero (via San Mateo) connect with this train only.

10.30 A. M. *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Castroville, Monterey, Salinas, Soledad, and all Way Stations. ☞AT PAJARO the SANTA CRUZ, R. R. connects with this train for Aptos, Soquel and Santa Cruz. At CASTROVILLE change cars for Monterey. ☞Stage connections made with this train. (Pescadero Stages via San Mateo excepted.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, and principal Way Stations.

4.30 P. M. *Daily Sundays excepted* for San Jose and Way Stations.

6.30 P. M. *Daily* for Menlo Park and Way Stations.

☞The *extra Sunday trains* to San Jose and Way Stations have been discontinued for the Winter Season.

SECOND-CLASS FARE.

Between San Francisco and San Jose, - - $1.00

☞On Freight Trains only, leaving *San Francisco* at 4:00 A. M., and *San Jose* at 8:30 P. M. (daily Sundays excepted)

☞Principal Ticket Office—Passenger Depot, Townsend Street. Branch Ticket Office—No. 2 New Montgomery Street, Palace Hotel.

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Ticket Agent.

1854. 1880.

THE CALIFORNIA FARMER

FOR 1880.

Is the oldest and only exclusive AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

It was established in 1854, and was the PIONEER HERALD of the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast; this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on this Coast—this was at Sacramento in the year of 1852, and also the GRAND FAIR at San Francisco in 1853—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in those early days, and at individual cost, by Warren & Co.

THE CALIFORNIA FARMER was the first and only advocate of SILK CULTURE, TEA CULTURE, COFFEE CULTURE, COTTON CULTURE, and the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS, and this was in early years when the masses lightly esteemed all such enterprises.

THE CALIFORNIA FARMER was the first and only advocate for the planting of the ALFALFA as a forage plant, and the first to introduce the seed and its culture, and not only this grass, but all other valuable grains and forage plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STONING WHEAT, of SUMMER FALLOW, of SUBSOILING, and of DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL—doctrines that have now, after long years of trial become the basis of true and successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture, and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE OF AGRICULTURE, which such years of labor merit, our JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

The TERMS OF THE CALIFORNIA FARMER being placed at a low price, should induce, as we trust it will, a generous addition to our LIST OF SUBSCRIBERS for the year of 1880.

Desirous of placing this old PIONEER AGRICULTURAL JOURNAL, (The only exclusive AGRICULTURAL JOURNAL of the Pacific Coast), before the people at so low a price that all can have it, we make the following

Terms for the Year 1880.

And With Seed Premiums.

Single Copies	$1 00
Six Copies	5 00
Ten Copies	8 00
Twenty Copies	15 00
Fifty Copies	35 00

CITY SUBSCRIBERS

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California Farmer. 1880.

OUR NEW CLUBBING LIST.

We propose for the year of 1880 to offer to our Patrons the following valuable JOURNALS in connection with our own, all at reduced rates, so as to give them the best works at low rate—(all postpaid). Price per year.

The FARMER and VICK'S MONTHLY MAGAZINE	$1 50
The FARMER and AMERICAN AGRICULTURIST	3 00
The FARMER and POULTRY JOURNAL	3 00
The FARMER and RURAL NEW-YORKER	3 00
The FARMER and PHRENOLOGICAL JOURNAL	3 00
The FARMER and AMERICAN BEE MAGAZINE	1 00
The FARMER and SCIENTIFIC AMERICAN	3 50
The FARMER and HARPER'S MONTHLY	3 50
The FARMER and HARPER'S WEEKLY	3 50
The FARMER and HARPER'S BAZAR	3 50
The FARMER and HARPER'S THREE WORKS	5 00

WARREN & CO.

EDITORS AND PROPRIETORS,

320 CLAY ST.,

SAN FRANCISCO.

BOOK OF POLITENESS and list of 1500 pieces of new sheet music, full size at half price, 10 cents, postpaid. J. REISLEY, Freehold, N. J. 47:4

Will it Bite?

Try and See! 10 cents and stamp fetches Quaint "Critter." It will make you laugh. Remember it is only 10 cents, and stamp. Box 499, Sandwich, Illinois. Mention this paper. 49:4

50 FINE MIXED CARDS, with name, 10c. Agents' packet Outfits 10c. Mention this paper, and address, Jos. H. MAGNUS, Sandwich, Ill. 47:4

CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, FEBRUARY 12, 1880. NO. 23

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

No. 320 Clay St., (up Stairs) Below Battery,

SAN FRANCISCO.

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BY MAIL FOR ONE YEAR, $4; FOR SIX MONTHS, $2. For a Club of Five new Subscribers, a Sixth copy will be sent gratis. When payments are delayed six months, $1 additional per year will be charged, and $1 each year also, for every year delayed thereafter.

City Subscribers, delivered through the Post Office. All papers from this office are sent free of postage.

REMITTING MONEY.

Our Subscribers can always send Money BY MAIL safely. Register at the Post Office and the money will come direct and sure and AT OUR RISK.

LIST OF AGENTS:

WELLS, FARGO & CO., at all their Offices in this State.
POSTMASTERS in all places, are requested to act for us.
WHITE & BAUER, Washington Street, San Francisco.
WAITE, BURNNELL & CO, Seedmen, High Holborn, London.
FREDERIC CONNER, Esq., News Agency, Paris.
BRYDON & CO., Brisbane, Australia.
Wm H. FLETCHER, Merchant, Sydney, Australia, who is authorized to receive Subscriptions and take advertisements.
DAVID CLARKE, Chemist, Warwick, Queensland.

TERMS OF PAYMENT.

☞ Advertisements and Subscriptions are all payable in Advance.

☞ Our full ADVERTISING RATES will be found on the SEVENTH PAGE.

All Letters on Editorial Matters to be addressed to COL. WARREN, EDITOR.

☞ All Letters on Business connected with the Office should be addressed to

WARREN & CO., Publishers.

Home Correspondence.

VALENTINES.

SAN FRANCISCO, February — 1880.

EDITOR FARMER

One St. Valentine's Day I went into a book store and there I saw several grades of selections.

First, I Was attracted by the talk of some giddy girls who were looking over cheap valentines—over, and over, they examined them, selecting now and then one as it seemed aplicable to some friend. Of great importance to them the selection of those cheap prints! the sending of which might prove a key to their life selection. It is well to be careful in small matters on which larger things hinge.

Then I saw a dandy with clothes of latest cut, hair oily with scented pomade, and gold tipped cane; he was examining higher prices Valentines for some "pink and white lady" I dare say, who when she receives this anonymus message (well known of course) will smile and simper more affectedly than ever.

There is a counter for all kinds of expressions in this life, if one only has money enough to buy with, only some expressions come much higher than others. Surely the expensive counters are not for me; and I passed along to the farther end of the store where it was a little dark, and a little musty, and I asked of a somber looking, rather aged clerk who wore glasses, the price of a quire of legal cap. I took the paper and he took the money. I had bought what I liked. I was happy, for I know the angels of thought would bring me my Valentine, let others be satisfied with prints.

As I passed out of the store I saw a ministerial looking gentleman looking over theological works, and I thought, ah, that is his life! And farther on I saw fashionable looking ladies selecting from the counters that contained periodicals, some magazines, others newspapers, illustrated, scientific, &c., each one buying the expression of his or her individual taste.

What congeniality and companionship there is here. What grades there are; and what an admirable place to select from—the "Book Store!"

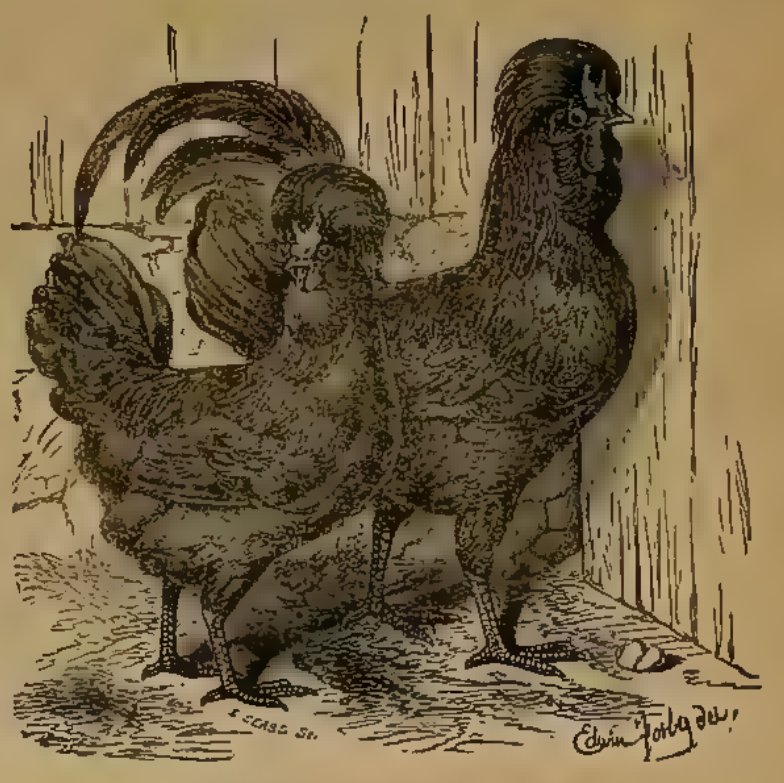
BETH.

MEMORABLE DAYS.

The general excitement of the "Holiday Season" absorbed the general mind so much, that little thought or attention was given to the memorable historic days of our country. "Pilgrim Fathers Day" was almost forgotten. The same with the eight of January, the "Battle of New Orleans," so eventful a day should not pass without a just notice. "Franklin's Birth Day," the 17th of January, this ought to be remembered by *Printers*, but it is a lamentable fact that these days do not seem to dwell in the minds of the present generation, as in the good old days of "Lang Syne," let us re-new those good days by re-erecting the old "land marks" of our country's glory. Undoubtedly "Valentine's Day" will have more attention than any we have mentioned, this speaks sadly for descendants of the Puritans.]

SPLENDID POULTRY.

DARK BRAHMA FOWLS.
DUCKWING GAME BANNTAMS.



THE CREVE--COUER FOWLS.

IRELAND.

FAMINE IN IRELAND IN 1847.

In our last issue we spoke of the sufferings of Ireland in '47, and of our personal knowledge of that terrible famine, for we were often witnesses of many deaths from Starvation by those to whom help came "too late."

We append below a deeply interesting letter from "Elihu Burritt" of whom we spoke, and with whom we were associated in that eventful period.

As we said in our last, Mr. Burritt *Sleeps* as does all the Noble trio of the great work that was with us, while we alone are left to know and see the same great calamity come upon Ireland again, but we do rejoice to know that already great hearts and willing hands have sent speedy aid, and now we have full hope that the words of our Noble friend of more than *thirty years ago*, will again prove that the UNITED STATES with her boundless harvest fields will in the language and spirit of Scripture "Feed the Hungry, and Clothe the Naked."

Already the Proprietor of the *New York Herald* has set a Noble Example, now let others follow and, according as God has given them ability, so let all give.

We shall report all Noble Donations, and give Famine Reports, and other letters in our next.

"And the blessings of those ready to perish, and Blessing of Heaven will crown all.

Edinburgh, March 20, 1847.

DEAR FRIEND WARREN:—

Truly we have had a delightful co-partnership in a blessed work, our sanguine faith in the heart power of old Massachusetts was not in vain, God bless her forever! It would be worth living or dying for to see each county sending out a ship loaded with provisions for poor Ireland. You have seen ere this my Journal in Ireland. I hope it will deepen the tide of sympathy on your side of the Atlantic to a gulf stream of brotherly love, let us turn that gulf stream through the Augean stable of national prejudices to wash them out of remembrance. I never loved my country so well as since this development of her great power of sympathy. I hope you will engage heart and soul in this great work of humanity, let us bind the two nations together with bonds of mighty strength. I hope you will get more intimately acquainted with Amasa Walker, cannot you attend some of the "League" meetings with him? You will sympathize deeply with that great movement, it will make your heart grow to take a part in it. Please direct to care of Joseph Crosfield, District Bank, Manchester. I shall be glad to hear from you often. Surely we have been associated in one of the most blessed works; perhaps the blessings of thousands ready to perish may come on our Country through our means.

Ever yours for humanity,

ELIHU BURRITT.

Remitting Money.

We desire those who Remit us Money, to send it either in Checks on our *Banks here*, or by Post Office Order, or Green [illegible]

We desire this *specially* of *Newspaper Agents*, or others abroad who send *their Checks* on Home Banks—this occasions delay or expense to us in collecting, while it is just as easy to them to adopt the way we point out, and send us Cash or Currency. These are our terms.

WARREN & CO., Publishers FARMER.

OUR ILLUSTRATION.

CREVE-COEUR FOWLS.

Above we give a picture of these famed fowls. The name is derived from the town of Creve-Coeur in Normandy.

No fowls, excepting perhaps the Houdans has met with more universal favor than these. As to their beauty there is great diversity of opinion.

Some considering them very handsome, others very ugly. They are very tame, ramble but little, and prefer seeking their food in the dunghill, to wandering far off. The Creve-Coeur is the best for delicacy of flesh, care of feathers and precocity.

In America we think the Creve-Coeur thrive better then in England.

DARK BRAHMA FOWLS.

The dark Brahmas are claimed by many breeders to be the best of the Brahma variety—but there are just as many who stand ready to claim that the Light are equally as good if not a better breed.

To be sure the plumage of the dark does not show the same massiness of feathers as the light, still if kept in a clean, dry hennery, as fowls should be, the difference is imaginary.

The head of the Cock should be surmounted with a Pea Comb, Neck short, Back short, wide and flat; Breast should be full and broad. Wings small, the fluff on the hinder parts of the thighs black or dark, and the loose part of the thighs covered with soft feathers nearly black.—

Both sexes should have rather short yellow legs.

MINES AND MINING STOCKS.

Written for THE CALIFORNIA FARMER.

The condition, development and prosperity of our MINING INTERESTS now depends upon the action of our best citizens, upon our *manufacturers* and our *merchants*, upon our *Real Estate owners* and our *mechanics*.

That we have good mines in our State and over this Coast no one can doubt, and if the spare capital of our State was directed to the development of *these mines only* that have an intrinsic value, then we should have a prosperous MINING INTEREST, but when 50 or 100 wild cat enterprises are started, fostered and forced upon the market, schemes that have no basis or worth, plans only to catch the unwary and drain the money of the thoughtless, the foolish and those who will not work—but live from day to day by "games of chance," then it is high time the people should reflect and act, and call upon the *Legislature* to help them save the State from RUIN and the people from being deluded and wronged by scheming and designing [illegible]

When our citizens will but read the statements of the mining traffic and see the startling fact that nearly FIFTEEN MILLIONS OF DOLLARS has been drained from the people in 1879 for *Assessments* on Mining Stocks; and many of these companies exist only in *name* or on *paper*, and have never yet been started or worked, and that the chief amount of all these assessments are consumed to pay *Officials* and their *plans*, need we wonder that trade is dull and business depressed?

What a showing is this Fifteen Millions of Dollars of Assessments in one year, and only about *one and a half Million Dividends!* how long can such things last? We believe there is not in the whole list of nearly *three hundred named Companies* a single dozen *good paying mines*, and yet *schemers, stock gamblers* and *idlers* who are *hangers on*, still hold out these fearful temptations to the weak minded men and women to peril all, that they may "make haste to be rich."

Where are the guardians of the people? shall the authorities of our City and State pass laws to crush out by penalties "Faro Games" "Roulette" "Tan Tan" "Lotteries," etc., and leave untouched the dark schemes of gambling that have bankrupted many of our merchants, tempted and led astray many of our once esteemed young men who held confidential and honored places among them but who now either languish in prison or sleep in the suicides grave! and if this picture is not dark enough, read of the ruined and blighted homes, wives and children deserted, name, fame and honor lost—and, all, for, STOCKS!

Well might we cry out, "They have sold *a splendid birthright* for a mess of pottage."

But, when will a "Booming Reform" come—we *hope* ere long, we hope the PRESS will awake and cry out against this deadly "Upas Tree" that shadows our fair land, we *hope* the PULPIT will send out its ANATHEMAS against all who encourage this crying evil, for its *end must come!*

When the astounding fact of the great falling off in the mining operations shall be fully realised by those who are daily engaged in speculating in Stock, as a "Game of chance," for as this business is now conducted, it is nothing but a *game of chance*, and when the startling truth shall be realized that there has been a falling off in dividends, and a large decrease in the amount of bullion received, while at the same time the assessments have been larger than ever before, when these truths shall be realized, then the sufferers will not wonder at the depression of the mining interest and the falling of stocks.

By the reports of 1879 for that year the receipts of all bullion received only amounted to $23,000,000 against $33,000,000 in 1878 thus a falling off of $10,000,000 and the assessments for 1879 has been over and above all Dividend received $15,000,000, thus making the enormous sum of $31,000,000 taken out of the community. Surely a sum large enough in one year to make hard times and derange all business of every kind—and the signs of the times are the end is not yet.

A few months more and the bright fancy names of many stocks that now are daily quoted, will be no more "set in type," the underground secret plans are moving on—and a little time and the "great main springs" will break away, the bubble burst, and the end will come! the bitter lesson of many thousand sufferers may teach them wisdom, a *couple of months* and reason and right will come, and then our community will see daylight, and sunlight, and better times.

AN OLD MINER.

AUSTRALIA.

Editors, strangers and citizens from the Eastern, the Middle, or Southern States, also Editors over our own Coast who may desire to see or refer to their own Journals, or any Agricultural or Horticultural Journals, will always find them on file in the FARMER READING ROOM, to which they are always bid welcome.

A Large Library also, for *General Reference*.

Australia and California

We have full files of Australian Papers from all parts of Australia, showing the great interest they take in this Country, one thing of great moment, is the "Steamship Line," it is of vital importance to the welfare of the Colonies, and so vastly important to the Pacific Coast in the great trade that can be built up between the Colonies and California, if our Merchants do their duty.

ONE HUNDRED Journals are arranged on file for the convenience of all who may desire to peruse them. We have as follows from Australia:—

The Sydney Morning Herald, Sydney.
" *Sydney Mail*, Sydney.
" *Town and Country*, Sporting Paper, Sydney
" *Australasian*, Melbourne.
" *Weekly Times*, "
" *Adelaide Observer*, Adelaide.
" *Queenslander*, Brisbane, Queensland.
" *Week*, " "
" *Capricornian*, Rockhampton, Queensland.
" *Port Dennison Times*, Port Dennison.
" *Wide Bay and Burnett News*, Queensland.
" *Darling Downs Gazette*, Toowoomba, "

Many of these Journals are of the largest size, from 20 to 38 pages, several, splendidly illustrated with views of the Public Buildings, Landscapes, Public Men, Stock, etc.

CONTRIBUTIONS FROM QUEENSLAND.

We Invite all our readers and our citizens especially who are interested in our MANUFACTURES and the MECHANIC ARTS, and our AGRICULTURE, to visit the FARMER Office and see the RICH PRODUCTS brought from QUEENSLAND by the Commissioner, they are now on Exhibition open to all, in the READING ROOM and MUSEUM of the CALIFORNIA FARMER OFFICE.

THE BLUE WRAPPER.

Several of the Eastern Magazines and Newspapers have recently adopted the plan of sending to those who are *delinquent*, their papers done up in *a blue wrapper*, thus clearly reminding them of their great forgetfulness, and giving them an opportunity to perform a duty to those who are at work to provide their *mental food*.

This plan is now so well known to *Postmasters* that a delinquent subscriber is soon known, should any of *our* subscribers receive a *blue wrapper* they will understand that they can send a bit of blue sky across the *Editor's* path by a prompt attention to this *gentle reminder*.

SUDDEN CHANGES OF THE WEATHER often cause Pulmonary, Bronchial and Asthmatic troubles. "*Brown's Bronchial Troches*" will allay irritation, which induces coughing, oftentimes giving immediate relief.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have grain to sell and to keep.

SMUT IN GRAIN.

MAYSBURO, MINN.

TO EDITOR OF MILLSTONE—

Dear Sir:

The recent article on the fungii and wheat and corn smut, which recently appeared in the MILLSTONE, seems to me very inconsistent. With your permission I will give a few ideas based upon long experience in a dealing with these troublesome things. In the first place, it is a foolish notion that washing wheat will prevent smut from appearing in the next crop. You can sow smutty wheat without washing, early, for two or three years, and get your ground fine and even, and smut will disappear; for if you examine your smutty fields of wheat you will find the smut heads to be six or eight inches lower, while standing, than the wheat heads, because the smut head and stalk has generated from unripe grain (cut green to have a great yield of flour, or the owner has a great harvest before him and begins early), and is sickly; and has not strength enough to mature, and instead of wheat in the head you get it many puff-ba

Sometimes wheat stools too much on poor soil, if sowed thin, and the last shoots will yield smut, for they are late and sickly, and the good of the ground is absorbed by the best heads. I have experimented thus far on Canada club wheat (I have seen no smut in other wheat), and find the above statement to be facts which no Professor can get around.

A Professor once said that the cause of rot in potatoes was that the fungii eat the skin off the potatoes. I say that when a potatoe rots in the hill it is because it has had too much water and then too much hot sun, which scalds the skin so that it dies.

There are many old whims coming from people who have not experimented that need a rebuttal, and if I was qualified to write as learnedly as I can testify practically I would go into details for the benefit of such who are without experience in such matters. I hope some of your readers better able than I am will give their views through your widely read and excellent paper.

Respectfully. J. S. FOSTER.

A Colored Farmer in Louisiana.

Tilman Banks an industrious colored man, in the year 1876 bought twenty-seven acres of land from Mr. Foster, on the Bell Plantations. The price was $50 per acre, amounting to $1,350. At the time he bought the land he owed Mr. William Craig $600 balance for supplies. Three years has passed away, and, notwithstanding 1878 was an unfavorable year for cotton growers, Tilman Banks, having gathered and sold this year's crop, does not owe one cent. He has paid Mr. Craig in full, his land is paid for, and he has money enough left to buy his provisions for the year 1880. Banks is now a thrifty freeholder, a prosperous citizen, and fulfilling his destiny to a fraction.

[How many of our white young men have energy, pluck and brains enough, to go buy a small tract of land, and in *three years* with a debt of $2,000 pay it off, *own the farm* and be a *Freeman* like the example of our colored brother Farmer of Louisiana?—ED. FARMER.]

The World's Postal Statistics

Dr. Fisher, of the Imperial German Post Office, has just published comparative postal and telegraphic statistics of the world. In some cases the available information does not enable him to bring down his work later than 1873. The letter post of the whole world for the year amounted in round numbers to 3,300,000,000 letters, or about 9¼ millions daily; and the numbers have been increasing daily at an astonishing rate. Thus, in Japan, the number of post offices in 1872 was 1,169, and in 1876 it had risen to 2,749. The number of seperate articles which passed through the Japanese post in 1876 was 47,000,000, of which 25,000,000 were letters, 10,000,000 post cards, and 9½ millions newspapers. Post cards were first brought into use only in 1865, and now they are employed in almost every country of the world. The parcel post has not yet got beyond the first stage of its development. The number of telegraphich despatches sent in 1877 amounted for the whole globe to nearly 130,000,000, or an average of 353,000 daily.

State Pair at Florida.

The Fifth Annual State Fair, of Florida, will be held at Jacksonville, from February 24th to 28th, inclusive, which promises to be a comprehensive and representative exhibit of actual products from all sections of the State. Three thousand dollars will be awarded in premiums and paid in cash. In addition, there will be attractions and amusements arranged and selected in their order of merit that will warrant their exhibition, making a combination and exposition of science, art and nature never before equalled.

California salmon and common brook trout have been "crossed," the result being a valuable hybrid. Fifteen or twenty different varieties of fish have been successfully "crossed" with the object of improving the stock, as is done with fruits and flowers. When will an equal amount of care be bestowed on the improvement of *human stock*?

WHEAT AND FLOUR IN MEXICO.

From a recent report of the United States Minister to Mexico, the following facts in relation to wheat and flour in that country are gathered:

Mexico, notwithstanding it lies mainly in the tropics, has a considerable area of lands very suitable to the production of wheat of good quality. I have frequently seen large fields of wheat and sugar cane cultivated with success side by side. Notwithstanding there is so large a portion of territory so admirably adapted for wheat production, wheat bread is virtually a luxury in this country, as only the upper and more well-to-do classes are accustomed to its general use. The two chief reasons why this is the case are the cost of cultivation and the difficulty and heavy cost of transportation. At the first glance it would seem that almost all circumstances favored the cheap production and sale of wheat. Labor is only about 25 cents per day, which is increased to about 31 cents during the harvest season. The government has levied duties upon the importation of wheat and flour which are almost prohibitory, the import duty on wheat being $1.70 per bushel, and on good flour $10 per barrel in the City of Mexico, while in all the districts on the Gulf and the Pacific coasts the price of flour is very much higher, in some seasons of scarcity of the wheat crop, reaching starvation prices.

The methods of cultivation are of the rudest and most ancient character, the plows generally used being of a clumsy wooden pattern, as are the other implements. Iron plows are being gradually introduced, but as yet by no means common. About 95 per cent. of the wheat and other small grain is harvested by hand with the ancient small sickle, and about the same proportion is trodden out on the threashing floor by animals and winnowed by the wind without the aid of any other implement of machinery than a flat wooden shovel.

Of late years a number of reapers, threshers, drills and other machinery have been imported from the United States and Europe, but up to the present, their working operations have not been so satisfactory as to lead to their general use, owing to the ignorance of the persons using them, and hence the machines have never had a fair trial.

Notwithstanding Mexico has great capacity for almost unlimited cultivation of coffee, sugar and other tropical products, of the $28,700,000 of its exports last year, $22,000,000 were gold and silver, or more than 77 per cent. of the entire exports.

WHERE THE PROFITS GO.

The first National Bank in New York has declared a dividen of 120 per cent. on a capital of $500,000, for the year 1879, after adding $500,000 to its surplus, and leaving $267,700 84 undivided in profit and loss account. Such is the astounding statement in the newspapers. It is difficult to understand how such enormous profits could have been made legitimately in any business during the unprosperous year of 1879. If true, it is very evident that many firms and individuals must have lost their earnings and accumulations to have enabled the stockholders in this bank to add so much to theirs. It could not have been true that all those doing business with it, and through it, made money too.

From whom was this wealth taken? This, we think is a very pertinent question, and if we will stop a moment and consider it, the answer is easy enough. Who produces wealth? Labor and the soil are the only sources of wealth in the world. Labor on the farm, in the mine or factory adds to the wealth of the nation, and only that. Because a merchant buys 1,000,000 bushels of wheat and puts it in his storehouse and holds it till it doubles in price, the country is no richer. The difference is made up from the pockets of those who use the flour.

But the lesson of this immense increase in money lies in the fact that, while many have labored for a bare existence the money kings have drawn upon the resources of wealth and piled it up in their coffers. Thus the rich are growing richer, the poor poorer, by the present system of unequal distribution. The prevailing idea of giving accumulated wealth all the advantages and putting all the burdens on the producers thereof, must be overthrown, else we shall soon see a system and state of society similar to that in France before the great Revolution, and possibly with as terrible results.—*N. Y. Weekly Advs.*

New Horse Medicines.

We see by some English papers the New *Horse Liniment* offered, which, if there is anything *in a name* must surely be curatives, for if a horse was rubbed with these or swallowed *one* dose he would never have any more aches or pains.

The name of one is the *Hoplemuronia* for hoof disease, and the other is Neurasthenibponskeletetrize, they seem to be real as they received testimonials from the nobilities. We would refer them to the well known firm of Maia & Winchester who have a famed hoof remedy with a *name all can read.*

Out this Out and Save Life.

Who does not value life? and who would not give all their wealth to *preserve health?* for this is life?

What is life without good health? a heavy weary load of pain and sorrow.

BLOOD IS LIFE!

And the best blood purifier in the world is "David Clarke's Australian Liver Pills," there are no pills manufactured that surpass them in excellence, they are so certain a remedy for all evils that affect the liver or taint the blood—buy only DAVID CLARKE'S GREAT REMEDIALS.

THE POSTAL TELEGRAPH.—We have received a copy of the Lecture delivered by Charles A. Sumner, Esq., in 1875, with matters of interest on this subject, showing the immense cost and value of Telegraphic Communications, and the great profits of these lines.

RECENT IMPROVEMENT IN THE BREEDING OF HEAVY HORSES.

From the earliest time to the present day it has been a great misfortune and loss to mankind that so little attention has been paid to the breeding and rearing of a more perfect and powerful race of horses for heavy farm and road work, and the use of the city dray, and large truck wagon. Poets, from the sublime Job down to the high-spirited Byron, have been profuse in their description and praises of the horse for war, the chase, and the course; while historians, travellers, and sportsmen have been ever eloquent over them in volumes of prose. Strange that the most generally useful of all the different breeds of horses should, with few exceptions, be ignored and passed by in silence, and so much be written and spoken of others which, although requisite for special purposes, and worthy of high admirations have contributed less to the benefit of humanity. But fortunately a great change in this respect has taken place within the past few years in Europe as well as in America.

A numerous society, composed of noblemen, the landed gentry, and farmers of Scotland, has recently been formed for the purpose of improving the breed of their larger sort of horses. This society takes the name of Clydesdale, and that distinguished nobleman Earl Dunmore has been devoting a considerable part of his time during the past two years to editing a Stud Book of their horses, classed also as Clydesdales. The first volume of this has already been published, and the matter for the second is collecting. England is now zealously following the laudable example set her by Scotland for what has long been known as the Shire and other of her best large breeds of horses. The Prince of Wales, Earl Ellesmere, and other noblemen are giving no little attention to the getting out of their Stud Book, and the whole landed interest of the United Kingdom is fast waking up to the importance of improvement of this most useful of all their breeds of horses.

Within the past three years 200 to 1,000 guineas ($1000 to $5000) has been the common price in Great Britain for select heavy horses for breeding purposes, and even 1500 guineas ($7500) has been refused for a few of the very choicest, while 50 to 80 guineas ($250 to $400) is the ordinary price of those for farm and dray work alone. In France, Belgium, Holland, and a few districts of Northern Germany, prices have also advanced considerably, and greater attention is given than formerly to the improvement of their horses, all of which shows the rapidly increased interest in the subject abroad. Nor has this matter been neglected in America, particularly in the past four years, during which time large numbers of powerful animals have been imported into Canada and the United States from Great Britain and France with a few also from Flanders. The Clydesdale breed has been more generally preferred for Canada, while the Percheron and Norman have taken precedence in our own country.

For the Percheron and Norman in America a Stud Book was published in 1877, by Mr. J. H. Sanders, of Chicago, Illinois. A revised edition followed the next year, 212 large octavo pages, handsomely got up, with numerous fine engravings. The object of this Stud Book is to preserve an accurate records of the males and females imported from France and their full-bred descendants, so that the public may not be imposed upon hereafter by unprincipal dealers palming off their inferior grades for full-breds.—A. B. ALLEN, in *Harpers Magazine for February*

ROYAL
SEMI-PORCELAIN
DINNER SETS
REDUCED TO $7.50

GOBLETS - - 75 Cents per dozen.
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RAILWAY SUPPLIES.
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N. ASHTON & SON'S
Liverpool Fine Salt.

IN UNIVERSAL USE THROUGHOUT THE EASTERN and Western States, and acknowledged far superior to any other brand of factory-filled salt.

Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound is worth say $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory-filled salt, therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, worth $13, for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams, and for household purposes, it costs but 50 cents extra per annum for a family of six. Why not use the best salt?"

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NEVILLE & CO.,
Bag, Tent and Hose Factory
33 CALIFORNIA STREET,
South-East Corner of Davis Street,
San Francisco,
(Removed from their old place 113 Clay Street, to their new and enlarged accommodations.)
IMPORTERS, MANUFACTURERS, AND DEALERS IN ALL KINDS OF
Bags, Burlaps, Duck,
Canvas and Cottons.

COOLEY CREAMER.

Supersedes large and small pans for getting milk.
It requires no milk room.
It requires capacity for one milking only.
Impure air, dust or flies cannot reach milk set in it.
It makes more butter, because it raises all of the cream, and the quantity is never lessened by unfavorable weather.
It makes better butter. It requires less labor. It is cheaper.

Butter made by this process took the HIGHEST AWARD at the INTERNATIONAL DAIRY FAIR held in New York, December 1878, and at the Royal Agricultural Exhibition held in London, June 1879, and brings the highest price in all the great markets.

Send stamp for the DAIRYMAN to
VERMONT FARM MACHINE CO.,
BELLOWS FALLS VT.

WHO MAKES SCRAP BOOKS?

'Tis said "In the making of books there is no end," and we know there are many persons who are always interested in making SCRAP BOOKS—now, to all such persons, we have some very important information which will benefit them.

It will be seen by our advertisement of "OLD NEWSPAPERS FOR SALE" that we can furnish just the right material for SCRAP BOOKS, for we have in this collection of OLD NEWSPAPERS, a series of papers of 10 to 25 years, and from every State in the Union, and also European papers, with select scientific and literary papers, journals of all kinds. In these papers will be found much of the best Poetry of the age; also, Stories, Anecdotes, etc., all very valuable, and these we shall offer at the low rate of $1.00 to $3.00 per hundred. Many of these are 12, 16 and 20 page pamphlets, and magazines and other periodicals, those who want these collections will call at or address the
CALIFORNIA FARMER OFFICE.

FRESH ALFALFA SEED.

Now, clean, selected CALIFORNIA ALFALFA SEED in quantities from 10 pounds to tons, in ots, can be had at the lowest market price at
CALIFORNIA FARMER OFFICE.
320 Clay Street.

BERKSHIRE SWINE RECORD.

A SPLENDID WORK IN THREE VOLUMES, ELEGANTLY illustrated with plates of the finest Berkshire Swine in the United States and the Canadas, sent out by the American Berkshire Association, is now for sale at the CALIFORNIA FARMER OFFICE 320 Clay Street.

DO YOU WANT $25 A DAY? We Men & Women Wanted, & Pay it. QUAKER CITY GALVANIC CO. Philadelphia, Pa.
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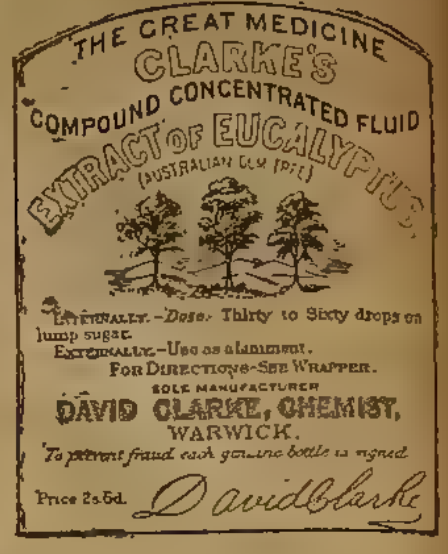
The Great Medicine!!



We have appointed for the sale of this Medicine advertised in our columns the following

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JOHN WOLFE,
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AGENT FOR SAN RAFAEL.

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The Remarkable Cures which have been effected by the Wonderful Remedials, known as CLARKE'S EUCALYPTUS REMEDIES from Australia, have, and are exciting a great influence among all those who have long been sufferers by those terrible sources of suffering, RHEUMATISM, NEURALGIA, DYSPEPSIA, and FEVER AND AGUE.

These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.

Be sure you ask your Apothecary for the true Medicine, DAVID CLARKE'S EUCALYPTUS PREPARATIONS The only Genuine article.

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SOLE AGENTS FOR THE UNITED STATES.

NEW TOOTH POWDER!

The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath
DAVID CLARKE'S
Eucalyptus Tooth Powder.
The BEST EVER COMPOUNDED and destined to supersede all others.
WARREN & CO., SOLE AGENTS,
320 CLAY STREET, S. F.

BOOKS FOR FARMERS!

BOOKS FOR FARMERS' LIBRARIES
AGRICULTURE,
HORTICULTURE,
FLORICULTURE,
STOCK RAISING,
BEE RAISING,
POULTRY GROWING.

We invite our farmers to call at our Reading Rooms and look over the new and valuable books suitable for their own interest and advancement. In addition to such as we have FOR SALE, we always have many for FREE DISTRIBUTION that our subscribers can have.

With many valuable and interesting works on all branch of each of these important Industries.

For sale at lowest rates at
FARMER OFFICE,
320 CLAY STREET.

DAIRY BREEDING CALENDAR

We invite Dairymen who desire a valuable "Dairy Breeding Calendar," containing very excellent items of great value to them, to call and examine the article named above—it is of but little expenses, yet of great value.

CALIFORNIA FARMER OFFICE.

Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

THE PLANTING SEASON.

The season for planting Trees, Shrubs and Flowers and the preperation of orchards, vineyards and gardens has been much delayed by reason of the long cold freezing weather we have had now for nearly *three months*.

We would not, even now, recommend the preparation of the ground and the planting of the more delicate seeds and plants in the outdoor garden until we have had a little warm spell, that the *earth may be warmed* so that the seed may vegetate and the rootlets get warmth enough to start.

The three great and all needful principals of life to vegetation are well known to be, *light, heat* and *moisture*, without *all* these there can be no complete and healthy growth of vegetation, the earth has had quite an abundance of moisture, but clouds and raw winds have kept the earth *cold*, even to a severe freezing, and the sun has had little or no power yet to give that vitality to the soil needed for a quick and healthy growth, it is therefore better to delay a little before planting, till these essential elements of *nature* give the earth its due prepreation; then such ceas will result to the labors of man.

The Triune of Growth.

Light, heat, and moisture, are the tripod on which all vegetation rests. When any one of these are too high or too low, the plant topples over. There must be due proportions of these essential requisites. Stove or furnace will give abundant heat for leaves. Windows afford ample light for leaf and stem. A watering-pot will suffice to drown the entire plant. Often it is used with that result. For nutritive fluids are taken up only by fibrous roots; superfluous juices are disposed of only by the leaves. A deplorable destruction of plants in sitting rooms, therefore, results from over-watering the roots while undue drying of the leaves has lessened their capability of removing moisture. Water absorbed by the soil, in these circumstances, undergoes evaporation, which in Summer or Winter, in Tophet or Tartary, must be, obviously, a cooling process. the rootlets, consequently are chilled, weakened and become diseased. Scores of these minute workers die. The leaves at first are overtasked in their effort to remove superfluous moisture; while the root-branches are perishing, they have inadequate supply, and are literally crisped by the unfeebling air. The plant is now in a plight like that of some wretched creature standing in cold wet clay, while scorching sunlight on his head is bringing fever and delirium.

Grape Sugar from Rags.

A manufactory in Germany turns out a thousand lbs. grape sugar a day made from old Linen. The old linen, which is pure vegetable fibrine, is treated with sulphuric acid and converted into dextrine. This is washed with lime water, and then treated with more acid, and almost immediately it changes and crystallizes into glucose, or grape sugar—which is highly valued in the making of rich perserves and jellies. The process is said to be economical, and the sugar is chemically the same as that found in the grape. Why the product should be objected to on the score of its origin is not clear, if one reflects that grapes are nourished by materials more offensive than old rags, and there is practically no difference between a transformation in nature's laboratory and one in the laboratory of the chemist. Still there is a great out cry over the German rag-sugar factory, and considerable danger of the enterprise being stopped by the German Government.

ARTIFICIAL FLOWERS.—We would invite all who are lovers of flowers to call at the large Crockery Warehouse of Messrs. O. Lawton & Co., Grand Hotel Block, and examine the beautiful flowers there exhibited.

We do not ask them to seek the fragrance from these "bright gems" because the flowers are the result of "Art O'Fcial," and yet they are most true to Nature in their design, and are a most admirable ornament for a table or mantel for home and public festivals.

Messrs. Lawton & Co., have now the finest array of superb Crockery on this Coast, for the Holiday season.

——We are advertising in this paper to-day Dr. Wolfe's Common-Sense Book. It is offered *a free gift* " to any person suffering with Consumption, Asthma, or Catarrh, or any other disease of the nose, throat, or lungs. The Doctor has made the treatment of the organs of respiration a special practice for over thirty years, and has put his varied experiences and reflections in this little monograph. The book is very handsomely printed and illustrated. Send for it by all means, especially if you have a cough or any disease of the nose, throat or lungs See his advertisement.

Diphtheria.

This fearful disease is now doing its terrible work of death among the children of our State and the ordinary remedies fail to arrest it.

If parents would but try the great Remedial Agency of the Eucalyptus, they could save their children from this direful death dealing scourge.

Be sure and obtain the true Medicine, *David Clarke's Australian Remedials.*

Dr. Drysdale, an eminent English authority, estimates that 145,000 persons die prematurely in England and Wales every year, as the result in crowding in tenement houses and elsewhere.

LONDON AGRICULTURAL SEED TRADE

From Messrs. John Shaw & Sons the well known Seed Merchants, of London, we have the following:—

No. 37 Mark Lane, London, E. C. Jan., 5 '80

A firm but quiet feeling still characterizes the trade for field seeds:—the holiday spirit having no, yet altogether departed: probably no great activity will be seen before the third week in January. As regards Red Cloverseed no fresh feature shows itself: superfine qualities will most likely continue scarce throughout. A sale to Liverpool is noted of 250 bags extra choice New York State seed at 57s. per cwt cif. The last upward movement in the value of white clover has well maintained itself. In Trefoil, there has been some small business doing at full rates. The article now in greatest favor is ItalianRye-grass: and in this an advance has now been established from the lowest point of fully 3s. per cwt., the shortness of French stocks has proved most surprising; in view of this and of the undoubtedly large requirements of the approaching Spring. A further rise on the present low rates is generally anticipated. Italian in past years has realised more than double the money at which it can to-day be obtained. Perennials keep steady. An increased inquiry has lately sprung up for tares: the open weather and the low rates current having stimulated business therein. For Canary seed the demand is slow: present stock in London about 11,000 bags: seeing that the delivertes for last November were 3,000 bags the quantit now on hand is moderate. Hempseed is rather dear. No change in Mustard, Rapeseed, Haricotor Lentil, or Peuse.

Directions for Planting Tree Seeds.

All nut and hard shell seeds should be soaked in warm water, milk and water is better, and hot too, if convenient, soaked until the rind is softened, then placed in the earth as follows:

All seed of choice nut trees, or of ornamental and shade trees do better if planted in good sized boxes, and when 9 10 or 12 inches high to be transplanted where they are to grow.

THE SOIL AND PREPARATION.

Take of good rich loam (virgin soil) one-third, one-third sand, one-third very old decomposed manure, mix them thoroughly, then prepare boxes with holes in the bottom for drainage, fill these boxes two-thirds full of this compost, and plant the seeds, each in separate boxes, and in thickness according to the size of the seed, then sift over them good sand and loam only, about ½ to 2 inches, and over this cover about an inch of sawdust, then sprinkle with a fine syringe or water pot, the sawdust keeps the surface from baking. Keep the boxes in a light and cool place, free from the sun (which drys the surface) till the seeds are up and show 2 or 3 leaves, then bring gradually into the sun and air.

SPLENDID FLOWERS OVER 1200 Distinct Varieties

All Strong Plants, each labeled, delivered safely by mail. Largest assortment. Low prices. In business for 20 years. Guarantee satisfaction. Stock comprises all desirable varieties. Only mature plants sent. Our new Illustrated Hand-Book, sent free, contains the name and description of each plant, with instructions for successful cultivation. *Do not purchase seeds elsewhere before sending for our new* HAND-BOOK. *Every lover of flowers should have it. All buyers of cheap plants should have it. Every one wanting tree and shrub plants should send for our Trade List.*

HOOPES, BROTHER & THOMAS,
Cherry Hill Nurseries, West Chester, Pa.

JOHN SAUL'S

CATALOGUE OF NEW, RARE AND BEAUTIFUL plants will be ready Feb 1st, with a colored plate. It is full of really good and beautiful plants—new Dracenas new Crotons, new Pelargoniums, new Roses, Geraniums, Clematis, etc., with a rich collection of fine foliage, and other greenhouse and hothouse plants, well grown and low prices. Free to all my customers, to others 10 cents, or a plain copy free. Catalogues of Seeds and Roses free. Address JOHN SAUL Washington, D C

Will be mailed free to all applicants, and to customers without ordering it. It contains four colored plates, 600 engravings, about 200 pages, and full descriptions, prices and directions for planting 1000 varieties of Vegetable and Flower Seeds, Plants, Roses, etc. Invaluable to all. Send for it. Address,
D. M. FERRY & CO., Detroit, Mich.
49 20 1m

My Annual Catalogue of Vegetable and Flower Seed for 1880, rich in engravings from photographs of the originals will be sent FREE to all who apply. My old customers need not write for it. I offer one of the largest collections of vegetable seed ever sent out by any seed House in America, a large portion of which were grown on my six seed farms. *Full directions for cultivation on each package.* All seed *warranted to be both fresh and true to name*; so far, that should it prove otherwise, *I will refill the order gratis.* The original introducer of the Hubbard Squash, Phinney's Melon, Marblehead Cabbages, Mexican Corn, and scores of other vegetables, I invite the patronage of *all who are anxious to have their seed directly from the grower, fresh, true, and of the very best strain.* **New Vegetables a Specialty.**
40:20 3m JAMES J. H. GREGORY, Marblehead, Mass

Grass, Clover and Forrest Tree Seeds!
(American and European)
Catalogue Free on Application.
SPECIALTIES—*BLUE GRASS, RED TOP, ORCHARD GRASS, MEADOW FESCUE, ALFALFA, ALSYKE, HUNGARIAN, &c.*
HENRY NUNGESSER, SEED MERCHANT,
83 Avenue D. New York.

VEGETABLE AND FLOWER SEEDS
WE SELL EVERYTHING FOR THE GARDEN
Descriptive Catalogues of 125 pages sent Free
PETER HENDERSON & CO.
35 Cortlandt St., New York.
FLOWER AND FRUIT PLANTS

New! The Very Best!
TRUE TO NAME!
Felix Gillet's Nursery,
NEVADA CITY, CAL
SPECIALTIES:
Nuts of all Kinds
—AND—
STRAWBERRIES.

PARCEPARTURIENS WALNUT,
[Introduced in California in 1871, by FELIX GILLET.]

THE MOST PRECOCIOUS OF ALL SOFT-shell varieties of Walnut, bearing even when three years old; hardy, a late bloomer, and very productive. First bearing trees in California, at FELIX GILLETS NURSERY, 5th crop, 1879. (Full description in Descriptive Catalogue.)

ONE-YEAR-OLD TREES

Of that new and valuable variety sent to any part of California and the United States, by mail, FREE OF CHARGE, in packages of two feet; in damp moss and oiled paper, and guaranteed to arrive in as FRESH a condition as when leaving our Nurseries, at the following prices: $1. per tree, for less than half a dozen; $8. per dozen, and

$50 per Hundred.

Also, [One-Year-Old Late or Serotina

—AND—

JEWELER'S WALNUT.

At the above Prices.

Marron de Lyon and Marron Combale

CHESTNUTS.

— Italian and Spanish Filberts —
MEDLAR (Monstrueuse,
Black Mulberry (Noir of Spain.
23 Varieties of English Gooseberries,
FRENCH, ENGLISH and DUTCH STRAWBERRIES
FRENCH EVER-BEARING RASPBERRIES
FORTY VARIETIES OF GRAPES, ETC., ETC
Send for Descriptive Catalogue and Price List.
FELIX GILLET,
Nevada City, California.

Newest and Best Berries,
Mountain Grown Plants
—OF—
Glendale, Miners Great Prolific, Endicott, Ruby, Cinderella, Forest Rose and many other New Varieties, and all the
OLD FAVORITE
VARIETIES OF
STRAWBERRIES
HESTINA,
CUTHBERT,
HIGHLAND HARDY,
PRIDE OF THE HUDSON
AND TWENTY OTHER VARIETIES OF
RASPBERRIES,
Send for Catalogue, and see our prices.
Address, C. M. SILVA & SON,
Newcastle, Placer Co., California.

NEW STRAWBERRIES.

BY MY SYSTEM OF MAILING PLANTS I CAN SAFELY send to California during the months of November, December and March. Many customers on the Pacific Coast can verify this. OVER 100 VARIETIES OF NEW STRAWBERRIES are now being grown on my grounds, STARPLESS, GLENDALE, ENDICOTT, PRESIDENT LINCOLN, MIKER'S GREAT PROLIFIC and PIONEER, all give berries over 5 inches around, and some specimens even 10 and 12 inches around. Plants of each by mail for $3.00 per dozen or ½ dozen of each for $2.00, postage paid, Crystal City, Hervey Davis or Monarch may be substituted for any of above. Cuthbert and other new Raspberries and Blackberries at 75 cents per dozen *by mail*; older varieties 50 cents per dozen. Grapevines 25 cents each. References, Cashier First National Bank of Sangerties, N. Y address R. H. HAINES Sangerties, N. Y.

The New Eucalyptus Seeds.

NURSERYMEN AND ALL OTHERS who desire to plant the NEW and CHOICE KINDS of the EUCALYPTUS TRIBE, of which there are nearly TWO HUNDRED now described, can be supplied with very choice fresh seed of TWENTY-FIVE VARIETIES never before offered for sale on our coast.

We have also received from Australia a very large and fine collection of Ornamental Tree and Shrub Seeds, which are most desirable to introduce upon the Pacific Coast.

In order to scatter them widely, and thus have them extensively grown and more widely disseminated, we shall put them up into collections of *ten parcels each*, and mail them to order, at $5 each collection. Address

WARREN & CO.,
320 Clay Street, - - - San Francisco

J. M. THORBURN & CO.,
15 JOHN ST.
NEW YORK.
Growers and
Importers of
GARDEN,
FLOWER,
GRASS,
— AND —
TREE SEEDS.

SOLICIT Orders for the above from the TRADE, also, *GLADIOLUS* and all other *BULBOUS ROOTS.*
44 15 Price Lists on Application.

is the most beautiful work of the kind in the world. It contains nearly 150 pages, hundreds of fine Illustrations, and *six Gromo Plates of Flowers*, beautifully drawn and colored from nature. Price 50 cents in paper covers; $1.00 in elegant cloth. Printed in German and English.

Vick's Illustrated Monthly Magazine—32 pages, fine illustrations, and Colored Plate in every number. Price, $1.25 a year; Five copies for $5.00.

Vick's Catalogue,—300 Illustrations, only 2 cents.

Address, JAMES VICK, Rochester, N. Y.

SPECIALITIES 1880.

Early Amber Cane Seed; Bohemian Hulless Oats; Early Russian Spring Wheat; Egyptian or Pearl Millet; New Varieties of Field Corn; Vegetable and Flower Seed; Seed Potatoes, etc.

Send for our Seed Catalogue, containing descriptions, prices, etc Mailed Free to all. Address,

Plant Seed Company,
ST. LOUIS, MO.

Agents Wanted

To introduce in every County in the United States

The History of the Bible.

The best work to sell that has ever been published. Splendid Premium to every Subscriber For circulars and terms apply at once to the

HENRY BILL PUBLISHING CO.,
47 10 41, 43 and 45 Shetucket St., Norwich, Ct.

THE DINGEE & CONARD CO'S
BEAUTIFUL EVER-BLOOMING
ROSES

We deliver STRONG POT ROSES for Winter Room and Fall Planting, *safely by mail* at all post-offices. Five splendid Varieties, *your choice*, all labeled, for $1; 12 for $2; 10 for $3; 26 for $4; 35 for $5; 75 for $10; 100 for $13. Send for our **New Guide to Rose Culture**, and *choose from over* **500 Finest Sorts.** Our **Great Specialty** is growing and distributing Roses.

THE DINGEE & CONARD CO.,
Rose-Growers, WEST GROVE, CHESTER CO., PA.
49 10

A NEW STRAWBERRY.

SHARPLESS, THE LARGEST, BEST FLAVORED and most productive berry ever produced. Berry raised with ordinary culture from plant, set in September, 12½ inches in circumference, weight, 2½ ounces, and on the same stem four others from the size of a hickory nut to that of a walnut. See sworn statement and recommendations in my circular. Free to all sending their name and address on postal card.

J. L. DILLON
BLOOMSBURG, PA.
49 7

N B.—Catalogues and Plants at FARMER OFFICE.

PLANTS GROWN
for transplanting, and Fruit for the market.
100 Acres planted with Berries 100
100 Varieties of Selected Fruits
Send for Catalogue for what sorts to plant. Sent free.
JOHN S. COLLINS, Moorestown, N. Jersey.
49 17 1m

Strawberry Plants for Sale
TWENTY VARIETIES.
The Rarest and Best.

PRODUCING BERRIES THIS SEASON from the size of a Walnut to that of a Hen's egg.

The varieties offered are new and choice and immediately productive.

Directions for their culture given to all purchasers. For sale at
Farmer Office.

EGG FOOD FOR POULTRY.

EGG FOOD IS INVALUABLE FOR ALL kinds of poultry, make your Hens lay, keeps them in splendid condition, prevents and cures the common ailments. The high reputation of this article among Poultrymen, Fanciers and Farmers in the Eastern States has proved that it is the only and best article to keep your Poultry healthy and make them lay. Call and examine or send for Circulars to WARREN & CO. 320 Clay Street.

MILK, WINE, CIDER

All kept sweet indefinitely by arresting fermentation Water—the muddiest—made pure and clear as crystal Enough for ten barrels sent on receipt of "One Dollar." Agents wanted. Address ELSOM'S LABRATORY elville, Chatauque County, N. Y.

NURSERYMEN AND FLORISTS ABROAD.

Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurserymen, especially, who have NEW and RARE kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our JOURNAL circulates there to a large extent.

This is the season when Nurserymen should make known what they have for sale.

Warren & Co.,
PROPRIETORS CALIFORNIA FARMER.

PUTNAM'S
HANDY-BOOK
SERIES.

What to Eat. A Manual for the Housekeeper: giving a Bill of Fare for every day in the year. 134 pp., cloth..... 75 cts.

Till the Doctor Comes, and How to Help Him By GEORGE H HOFF, M. D. Revised, with Additions, by a New York Physician. A popular guide in all cases of accident and sudden illness, 12mo, 99 pp., cloth ..... 75 cts.

Stimulants and Narcotics: Medically, Philosophically, and Morally Considered. By GEORGE M. BEARD, M. D. 12mo, 156 pp., cloth ..... 75 cts.

Eating and Drinking. A Popular Manual of Food and Diet in Health and Disease. By GEORGE M BEARD, M. D. 12mo, 180 pp., cloth ..... 75 cts.

The Student's Own Speaker. By PAUL REEVES A Manual of Oratory, comprising New Selections, Patriotic, Pathetic Grave and Humorous, for home use and for schools 12mo, 216 pp., cloth..... 90 cts

How to Educate Yourself. A Complete Guide for Students, showing how to study, what to study, and how and what to read. It is in short, a "Pocket Schoolmaster." By GEO. CARY EGGLESTON. 12mo, 161 pp., boards, ... 50 cts.

A Manual of Etiquette. With Hints on Politeness, Good Breeding etc. By "DAISY EYEBRIGHT" One volume, 12mo boards ..... 50 cts

The Mother's Register. Current Notes on the Health of Children. Part I.—Boys; Part II.—Girls. "The Mother records for the Physician to interpret." From the French of Prof. J. B. FOSSAGRIVES, M. D. 12mo, cloth. ..... 75 cts.

Hints on Dress. By an AMERICAN WOMAN. Outline History of Dress. Things Indispensable. Estimates of Cost. Economy and Taste. What we Mean by Dressing well. Color, Form and Suitability How and what to Buy. 12mo, 124 pp., cloth. ..... 75 cts.

The Home: Where it Should Be, and What to Put in It. Containing Hints for the Selection of a Home, its Furniture and Internal arrangements, with carefully prepared price-lists of nearly everything needed by a housekeeper, and numerous valuable suggestions for saving money and gaining comfort. By FRANK R. STOCKTON, (of *Scribner's Monthly*) 12mo., 182 pp., cloth..... $1 00.

The Mother's Work with Sick Children. By Prof J B. FOSSAGRIVES, M. D. Translated and edited by F. P FOSTER, M. D. A volume full of the most practical advice and suggestions for Mothers and Nurses. 12mo, 224 pp., cloth ..... 75 cts.

Manual of Thermometry. For Mothers, Nurses, Hospitals, etc., and all who have charge of the sick and of the young. By EDWARD SHOUIN, M. D. 12mo, cloth..... 75 cts.

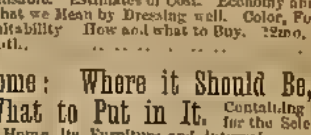
Infant Diet. By A. JACOBI, M. D., Clinical Professor of Diseases of Children, College of Physicians and Surgeons, New York. Revised, enlarged and adapted to popular use by MARY PUTNAM JACOBI, M. D. 12mo, boards. ..... 50 cts.

How to Make a Living. By GEO. CARY EGGLESTON, author of "How I Educate Yourself." 12mo, cloth..... 75 cts

Manual of Nursing. Prepared under the Instructions of the New York Training School for Nurses. By VICTORIA WHITE, M. D. and revised by MARY PUTNAM JACOBI, M. D.. 75 cts

All these valuable books can be had at the FARMER OFFICE, and will be mailed by us Post-Free on the receipt of the price named above.

WARREN & CO.
49 11



GARDEN GROUNDS LAID OUT.

THOSE WHO WISH THEIR GARDEN GROUNDS RENEWED and replanted, or those who desire to have grounds designed and laid out upon scientific principles, and with correct taste and skill, as

ADAPTED TO THIS CLIMATE

Can have this work done to their satisfaction by calling at this office, where all the best works on gardening can be found, and where the various styles, both European and American can be seen. Grounds of any extent, from

ONE THOUSAND ACRES

To small gardens in our city, will be designed and laid out and the Trees, Plants, Shrubs, Vines and Bulbs all supplied of the very best variety and reliable quality, and the work done to complete satisfaction.

WARREN & CO.,
320 Clay Street, - - - San Francisco.

NEW VALUABLE SEED.

SEED OF THAT IMPORTANT TREE KNOWN AS THE famed BLACK WATTLE TREE, from which is gathered bark for Tanners' use in Australia, can be grown in California with great profit. More than fifteen thousand tons per year of the bark of this tree is gathered and used in the Australia colonies with great profit. Our farmers should look to this tree and have it grown in California for TANNERS use, and thus encourage HOME INDUSTRY. Fresh seed just received and for sale at FARMER OFFICE, 320 Clay Street San Francisco.

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, FEB. 12, 1880.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street.—Marble Building—Up Stairs.

FARMERS HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms, Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences; also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for ONE insertion, fifteen cents a line for any larger space. Each subsequent insertion ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,

PUBLISHERS CALIFORNIA FARMER,

San Francisco, Cal.

Editor's Chair.

Unanswered Letters.—We are constantly receiving letters of inquiry from numerous source asking us to furnish replies and statistics that would occupy pages, and these from strangers, on matters not of a public interest, but only their private business, and then not even a stamp for reply, of course our time will not allow us to reply to all though kindly disposed, we always shall if possible, stamps for reply should always be sent, as this is a heavy tax on hundreds of letters received

Home.—We give our readers on our Home page a *Story worth reading*, we hope it will stimulate all who have the care of the young, to watch the unfolding of talent and genius and foster it, instead of crushing out the *vital spark*.—[Domestic Receits will prove valuable, other items to notice.

Our Poets Column.—"Valentine's Day" the present week will as usual create great excitemnet and great waste of money upon worthless pictures and worse sentiments, a good poem however is in our corner this week upon the day.

The "Sailor's Song" of early days will interest many and we hope it may be read by the few that are left of the "Sweden's" Crew and passengers of that early time! the other poems are worthy of note.

Horticulture.—The teachings on this page and notices will pay the reader.

Miscellany.—The subject of "Bad Spelling" and other items on this page will interest and amuse.

Agriculture.—We invite the special attention of all grain growers to the letter of Mr. Foster on "Smut in Grain," which we copy from the *Millstone* of Minnesota; valuable teachings from a really practical teacher.—

Improvements in breeding heavy horses for the Farm, this is all important for us in California, this is the kind of Horses we want, let our horsemen breed this kind. The fine illustration we give at the head of the article of Mr. Allen's excellent remarks, of the splendid Norman Percheron horse Success, was raised by M. W. Dunham Esq. of Wayne Du Page Co. Illinois, one of the largest and best breeders of this race of horse in our country.

"Wheat and Flour in Mexico," "Where the Profits go," New Horse Medicines, "The Colored Farmer in Louisiana," etc., on Ag. Page.

New Music.—We have from M. Gray Esq. Music Publisher, a *New Waltz* by James B. Redding Esq. entitled "Bric-a-Brac" a gay and lively waltz that will please those who trip it lightly and gaily.

Valentine's Day.—The day near at hand is one used more for amusement now than mental improvement, social gratification. To us this day will even be connected with a sad event and affliction of longs years gone by—yet so sad it cannot be effaced.—

Mines and Mining Stocks.—We place upon our fourth page a letter from an old Miner that tells some truths, and we add from our own guess of the future, that ere long we shall see a change in this business little dreamed of now, even by those engaged in this species of Gambling.

In Our Next.—We shall give Frost among Orange Trees,—Reports of the Cold Weather,—State Agricultural Society,—State Horticultural Society,—"Sydney Exhibition," and many letters from valued Correspondents.—

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us Advertisements from Abroad must send the Cash with the advertisements—if they would have them appear.

We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill*" this we cannot do without Cash, or a special understanding before hand.

WARREN & CO.

THE SEASON and PROSPECTS.

As we have more than once said, the present opening of the year in all places has been a most remarkable one, and the season though it has been a backward one, cold, windy and unusually a wet one, yet with all these, the present outlook is most flattering for a most bountiful harvest; heavy and continued rains, and of these more in promise now fully cures one of the largest crops of grain ever raised in California.

What we say of the *Grain Crop* we think we can safely bespeak for the *Fruit Crop*.

The long continued cold weather has kept back the swelling of the buds of our Fruit Trees, and this will carry them past frost danger now, so that our Orchard Fruits are safe.

Our Vineyards are large and will be larger still, many hundreds of acres will be planted this year, all of the choicest kind, mostly for Raisin Making or specially choice Wines, as the reputation of California wines are now taking a front rank in Eastern markets and also in Europe.

The Stock interest (live stock, though not Wild Cats) will be better attended to, as choice Blood Stock is being appreciated better and in better demand; valuable heavy horses for all work, are much sought for and command good prices. So with best breed of *Dairy Stock*, Sheep, Swine, Poultry and stock of all classes. Blood Stock sells, while Scrub Stock don't pay the keeping, and as it is with these, so it is with *humans*, Scrub Stock humanity don't pay for keeping, and the sooner they can be changed the better.

THERE IS DANGER?

"Forewarned is Forearmed."

When such doctrines as have been promulgated at the "Sand Lot" are permitted to go unrebuked, and when treasonable sentiments are allowed to be uttered by those high in authority, and *they* are not called to an account for it.

THERE IS DANGER.

When threats and menaces are hurled against the very best men in our City and State, men who have built up our State, and made it what it is, when these threats are allowed to go unpunished.

THERE IS DANGER.

When men in hundreds and thousands even are allowed to enter the business places of our Manufactories, Merchants and Corporations, and demand or dictate to them *how* they shall conduct their own business, what has become of that clause in our great *Charter of Liberty* that reads—We have *certain inalienable rights*, these are the rights to enjoy "*Life, Liberty*, and *Estate*. When these rights are encroached upon,—

THERE IS DANGER.

The recent action of large bodies of men for months past, men too, who have little or no property at stake, men who would dictate to old and valued Citizens how they shall conduct their business, how they shall live in their private dwellings, all bespeak a bad state of things, these are at variance with the principles of Freedom and our Rights as clearly shown in our Charter of Freedom and this tells us

THAT DANGER IS NEAR.

When Law is violated and the "Guardians of the Law" fail to perform their duty, and wink at these violations then there is 'GREAT DANGER-"

"Eternal Vigilance is the price of Liberty' and they are *Traitors* who will not guard the Soil of Liberty, purchased by the blood of Patriots.

NEW and CHOICE PLANTS.

The Horticultural and Foricultural world is full of new things, and the taste of our Florists and Amateur growers are now earnest for that great Scriptiual Doctrine which says "Old things shall be done away and all things become anew," and thus "Lovers of the Beautiful" are really growing Scriptural in this sense, for our Eastern Florists are sending us many "Gems in Flora" worthy very special notice.

We lately received from John Saul, Esq., the popular Nurseryman of Washington, D. C., his collection of 25 new Roses, and his new Geraniums, also his new Primula's, Gloxinia's &c. These came by mail in the most perfect order and of over 60 varieties, all are in good growing order save *two*, this is the result of sending us *good plants* and "Packing them well."

The Primroses are most beautiful indeed, we have "Mrs. John Saul," a superb very double white, delicately tinted with dove color, one of the finest Primroses we ever saw—a perfect gem, worthy of extensive culture.

The Roses and other plants are all doing well and promise to give us a rich reward for our care.

We gladly commend the fine collections of Mr. Saul to all who wish earnestly for "all things new."

Messrs George H. Tay & Company.

This old and long established firm of *Pioneer Merchants* among the largest of our city Founders and Manufacturers, and of large trade and means, who have for years done business on Battery St., near Jackson

This firm have joined with the great tide of *Removals*, and taken the spacious Block on California Street, corner of Davis, one of the most spacious in the city. They now invite their friends and customers to visit them in their new warehouse where they can exhibit to them one of the best displays of Ranges, Cooking stoves and Household Goods ever offered on this Coast.

Our Illustration of Poultry on Front Page we think will be advantageous to Poultry Raisers.

TREE AND PLANT PACKING.

One of the most important duties of the *Nurserymen and the Florist* is, the packing and marking their trees, plants, shrubs &c.

It is not *all* the duty they owe to their customers to merely put up the article they have ordered, but it is their *imperative* duty to see that they are all truly, carefully, and strongly labelled, not with a piece of paper or parchment or a light piece of wood and the name pencilled thereon, but to have zinc or lead labels, these fresh painted white, and then, when the name is written in the white paint it will remain for years, this done the label be *wired to the tree*, as common string soon rots off, and cases or bundles from a nursery when sent by the Rail Road or Express, are not very apt to be cared for much by draymen, rail-road or steamer stevedores, nor do such men look upon the special notice, "Handle with care" "Keep this Side up"&c.

If Nurserymen and Florists would all duly reflect that for all the coarse handling of their packages by others, they themselves suffer, they would be more careful in all they do, and would be large gainers thereby.

We have imported trees and plants from Europe largely, and there this work is well done and goods come safe.

We have also imported trees from our Eastern nurseries and all came safe, but here at Home for short distances there is apt to be too little care, this we have seen, known and suffered, but among the many Nurserymen and Florists that we have dealt with of *recent* years, those whose systems of packing have come up to the high standard, we are pleased to notice and commend for their correctness and skill. The establishment of Ellwanger & Barry and James Vick, of Rochester N. Y.; John Saul, of Washington D. C. and Dingee, Conrad & Co., of Chester co. Penn. Thorburn & Co. and Peter Henderson & Co., of New York, from these persons goods come perfectly packed and correctly labelled and most creditable to the shippers.

We can also name with pleasure some of our own nurserymen who pride themselves in *doing things well*, of these we would specially name B. S. Fox, the large nurseryman of San Jose; L. F. Sanderson Florist and John Rock, of San Jose, and also C. M. Silva & Son, Newcastle, Placer Co., and Felix Gillet, of Nevada City, Cal. There are other good Nurserymens and Florists who pack well, and as it is all important for the great success of Horticulture and Floriculture that extra care should be given to this part of their duty, we make these remarks, for it is not all the duty of the seller that he pack and send off the goods as ordered, but that his *packing and marking* and directing his goods be, *so well done*, that they shall reach his patrons in as good order as they left him, in spite of the coarse and rough handling of a dozen parties through whose hands they may pass.

OUR POST OFFICE GROUNDS.

We know the public will be glad to see the "Post Office Building" putting on a NEW GARMENT.

The appearance of the building, outside has long borne a bad look for a Public edifice of the United States.

The improvements inside the past year made under the active energy of General Coey have been most excellent, and now comes the outdoor adornment so long needed; then, as soon as the "Offices of Custom" shall be changed into their new building near, then the old building added to the Post Office will give still more improvement and facilties to the Public, both in the Custom House and the Post Office, each most needed for the growing business of our State and Coast.

It is to be earnestly hoped that by the outside finish of the Post Office, which will give the building a fine appearance, the present *dilapidated fence around the Post Office will not be forgotten*

We could also say we hope the *Garden* in front might present a better and more genial landscape and design for public ground.

We feel confident the influence of General Coey and that of our excellent head of the Custom House, Hon. T. B Shannon, joined together, will induce the Government, at Washington to have a handsome and graceful fence around the Post Office grounds, and guards along the sidewalks of the Custom House, to prevent teams and all trespassers, from every obstruction; and at the same time clear the sidewalks from the offence of pedlars, organ grinders, beggars, &c., for a place of public resort so great, should have free ingress and free egress for all without offence to feelings, taste, or convenience.

A little time more and still greater improvements will be added that will facilitate the public business very much, the mail rates, &c. &c.

The New Woolen Mill.

We rejoice to hear of the certain prosperity of the New Golden Gate Woolen Mills now under way, and which will be under the management of Donald McLennan, Esq., formerly of the Mission Mills.

Mr. Mc Lennan was the Pioneer mover of woolen mills on this Coast, he originated the Black Point Mills, then the Mission Mills, and now the new "Golden Gate Mills."

We hope for his long years of labor, his *new work* will prove to him a "Golden Gate" indeed, that shall ensure him a fortune.

Commercial Reports.

We take pleasure in calling public attention to the most admirable Annual Review published by the "Commercial Herald" office of Carmany & Co. under the management of H. Chaning Beals Esq., Editor.—

The review is a 12 page sheet of large size, and one of the best and most complete Reviews of our Markets, its Imports, Exports, and the Resources of our State and the Coast that has been sent abroad for a long time.

Those who would send their friends, at the East a true sketch of our State, let them send this Review.

JAMES LICK. THE BENEFACTOR.

[We have been favored by the perusal of a valuable letter of one of our most earnest and worthy Pioneers, showing how Pioneers labored to build up our State and our best institutions in early days.

This letter we asked permission to publish, that the Citizens of our State might see and know who in that early day gave time to think of helping to build up the State more than to build up themselves.

The letter we here give our readers, we feel assured in our own mind was the great moving power to induce James Lick to reflect and see how he could best dispose of his great wealth, and prompted him to think of those other Societies to which he has given his Millions.

Mr. Williams deserves all honor for his efforts thus shown in those early years; we *know* he was one of the truest and best friends the Mechanics' Institute ever had or ever will have; we remember back to 1856 when it was our pleasure to work with him for that Institution, and Mr. Williams remembers it too, and if Mr, Williams has felt the frowns of misfortune in the times of Fires and Floods like many Pioneers, he has the proud satisfaction of knowing he has been a true friend of this City, the State, and all our best institutions.

Mr. Williams has labored long and well to give our City streets, its highways and byways, the *best ways* to travel on in the "Composite Pave" (of this too, he may feel proud) we think of those who oppose him in this great work would *only mind their own ways*, our progress in Art, Science, and general prosperity would be more certain for all.—Ed. Farmer.]

San Francisco, January 8th, 1863.

James Lick Esq.—*My Dear Sir:*

I learned, much to my regret, that you were prevented, by indisposition, from being present at the management of the Pioneer Hall to-day. Had you been there to have witnessed the heartfelt gratitude manifested by the members of that Society, it would, I am sure, have made you feel more than compensated for your generous donation to them, for if I mistake not your true character, such unmistakeable proofs of gratitude are as fully appreciated by yourself as by any one whom I know.

You must excuse me for what may seem fulsome praise, but by your liberal and timely assistance to the California Pioneers, you have raised that Society from a condition of feebleness, (bordering on the verge of dissolution) to a vigorous, healthy and useful organization.

That Society is now perhaps the most flourishing literary and social organization on the whole Pacific coast, having a fair start upon a career of usefulness, which nothing short of the grossest mismanagement can check, and its members hesitate not to place the credit where it so justly belongs. Again I crave your pardon for the liberty I am now about taking, indeed I feel well assured you will excuse my zeal if you condemn my judgement. I make bold my dear Sir, to give expression to feelings which arose in my bosom while present and participating in the ceremonies of inaugurating the Pioneer Hall. As you well know I am also an humble member of the Mechanics' Institution—a society, the objects of which are familiar to you—a Society which has done some good service for our State, and which might do a great deal more if once placed upon a solid and permanent basis by some one who has the ability and the magnanimity to do so. That Society has been for several years struggling along, barely maintaining an existence, crippled in all its positions, and is to-day a most worthy object for succor from the hands of some one who will consent to come forward as a generous benefactor.

Mr. Lick did I mistake when I to-day conceived that you might become that man

In my capacity as a Pioneer, with a heart overflowing with gratitude for your liberality to that Society, I conceived the idea that you might probably consent to become *the first real benefactor* to the Mechanics' Institute also, *I hope I have not erred in my conclusions.*

Our Institute in her palmy days, when prosperous and popular, had among her members some men of means, who professed great interest in her welfare; but, as soon as misfortunes and losse came upon her, they left her to her fate. From such we have nothing to hope for, of course, but must look elsewhere, and I as an individual member have ventured to ask your favorable consideration of our Society in this her hour of need.

If the Mechanics' Institute were placed in a condition similar to that of the Pioneer Association she would at once commence a career of usefullness which would be felt and appreciated throughout the length and breadth of our State, and he who will contribute towards bringing about such a happy result will gain the lasting gratitude, not only of the present members, but also of their successors and their children for many generations to come, If the idea strikes you at all favorably, please consider it, and at your leisure let me hear from you upon the subject; if on the other hand you conclude differently, and think it an act of presumption on my part to thus address you, please consign this sheet to the flames and excuse my zeal for an Institute, which it would be my great pride and pleasure to assist, had I the means to do so. With the highest respect,

Your obedient servant,

H. F. Williams.

RECEIVED AT READING ROOMS:

We have many reports from the Agricultural Department at Washington, D. C., reports on crops, special on cereals, also a valuable work on *The Diseases of Swine* and other animals, an extensive report of 300 pages.

Virginia State Ag. Society.—Thanks to W. C. Knight, Esq, Secretary of this State Ag Society for a copy of a valuable *Monthly Journal*, published by that Society, containing much of value and interest about "Old Virginia," the "Mother of Statesmen," this Journal shows rapid improvement in that State, the State Society offered liberal Premiums for their State Exhibition, thus showing the Society to be in a prosperous condition.

Protection of Forests.—We have a valuable publication from S. V. Dorrum, Esq., upon the great necessity of protection to our Forests, with valuable statistical data.

We have received the "Franco-American Commerce" bearing statements and arguments in behalf of our American Industries against the proposed Franco-American Commercial Treaty with important reports and statements against it as injurious to our American Interest, all presented and discussed in extenso before the Chamber of Commerce of San Francisco, and was published by the Chamber in a valuable Pamphlet of over 200 pages, this should be read and considered by all who would protect our Home Interests.

We have a Catalogue of Randolph Peters Nursery, at Delaware, comprising Fruit and Ornamental Trees of choice kinds.

James M. Thorburn & Co's new Catalogue of seeds, complete of 100 pages,—New York City.

Leeds & Co's. Illustrated Catalogue of Plants and Flowers,—Richmond, Ind.

E. P. Roe's new Spring Catalogue of Fruit and Plants,—from Cornwall-on-the-Hudson, N. Y.

We have the very fine Annual Rural Register rom Luther Tucker & Son, of the Albany Cultivator Office, in its 26th year, with 120 engravings—one of the best little Rural Books published.

The Veterinary Science.—We have received by the courtesy of *Billings, Harbourne & Co.* a handsome Volume of nearly 600 pages upon this all important science.

This volume is Edited by Finlay Dunn Esq. of the Veterinary College, of Edinburgh, Scotland and a most excellent work.

Published in good style by Albert Cogswell, Bond St., London. and for sale by the Publishers named above.

The same firm sends us The American "L' Assommon" being a parody on Zolas "L' Assom mon," a work by Joseph Sydney Esq. this work is also for sale by same popular booksellers.

We have received from Messrs. O. Lawton & Co., Crockery Merchants, a neat and handsome little volume upon Japanese arts, manufacturers and the history of their style of work, a valuable little book, thanks for same.

Low Prices to New York.

The Pacific Mail Steamship Company with their foresight and commendable energy have announced, as will be seen by their advertisement in our columns that they have greatly reduced the Rates of Passage to New York.

If the same reduction is offered from New York to San Francisco we shall then have a new emigration to help our State

Please do this Messrs. Managers of the Mail company, and give our state a "*Boom*" for business.

Insurance.

It is one thing to hold a Policy of Insurance and quite another thing to feel that such a policy is the same as gold coin when the "Fire Fiend" comes and leaves *ashes* where was once beauty and prosperity.

We can invite all who wish to be safely *Insured* to the Pacific Department of the London and Lancashire Insurance Company that now offer their service to insure safely. The name of this company and their large assests is a guarantee to make good all losses that may occur, then the well known manager is another guarantee of safety; to this we add the Adjustor, so well known for years in Insurance in our City for his promptness in making all right

Our Hotels

San Francisco can boast of as good Hotels as any in the world, many large spacious and even gorgeous in all their outward appearance and very elegant within.

Among the best, we can speak of the Occidental Hotel as one of the very best, and receiving the very best patronage of the public, best in the character of the visitors; no hotel is better patronized, none giving better satisfaction to patrons.

Dairyman's Salt.

The Dairymen should remember the very excellent Dairy Salt now offered by Messrs. Williams, Dimond & Co., in our columns, this is the very best "Dairy Salt" known. See advertisement.

A Good Head Gardner—In our column will be seen an advertisement of a Gardner who desires a situation. We can bespeak for the advertiser his capability, as we know him. Any person wishing a good and reliable Head Gardner will do well to confer with W. G B, the advertiser at our office by letter or otherwise.

Active Agents Wanted!

FIFTY ACTIVE AGENTS WANTED TO CANVAS THIS STATE AT ONCE FOR THE

FAMED EUCALYPTUS REMEDIALS

THAT ARE NOW ACCOMPLISHING WONDERFUL CURES.

This is a grand chance for Men and Women to make a very handsome salary. Apply at

FARMER OFFICE.

320 CLAY STREET. S. F.

Pacific Department
OF THE
London and Lancashire
FIRE INSURANCE COM
OF LIVERPOOL, ENGLAND.

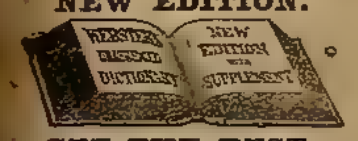
Market Value of Stock..... 250 Per Cent.
Deposited in U S. Registered Bonds with Insurance Department, over.....$550,000 00
STATEMENT, January 1st, 1880.
Subscribed Capital..... $7,500,000 00
Of which there is paid up in Cash..... $750,000 00
Reserved for Losses in process of adjustment.. 85 409 50
Losses Resisted..... None
Reserve for Reinsurance and all other Liabilities 407,444 84
Net Surplus..... 407,031 66
Total Cash Assets.....$1,709,976 00
Surplus for Policy holders beyond Liabilities, in Gold ..... $1,157,031.

Having been appointed General Agents for the above named Company for the States of California, Nevada and Oregon, and the Territories of Washington, Utah, Idaho and Arizona, we are prepared to issue policies on the usual terms, and receive applications for local agencies.

Balfour Guthrie & Co.
General Agents,
316 CALIFORNIA STREET,
San Francisco, Cal.
J. W. STAPLES, Special Agent and Adjuster. GEO. W. SPENCER, Manager.

SPECIAL NOTICE.
PACIFIC MAIL STEAMSHIP CO.
New York and Panama Line

THE SPLENDID STEAMER
COLIMA
Will sail FRIDAY, February 20, taking Passengers to NEW YORK via PANAMA, at the following
Greatly Reduced Rates.
UPPER DECK..... $85 00
SALOON..... 75 00
STEERAGE..... 50 00
Apply at Company's Office, First and Brannan Streets.
WILLIAMS, DIMOND & Co., General Agents.

NEW EDITION.


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WEBSTER'S UNABRIDGED.
1928 Pages. 3000 Engravings.
FOUR PAGES COLORED PLATES.
Containing a SUPPLEMENT of over
4600 NEW WORDS and Meanings,
AND A NEW
Biographical Dictionary
of over 9700 NAMES.
Published by G. & C. MERRIAM, Springfield, Mass.

A FREE Book of nearly 100 large octavo pages for the ... Full of valuable notes on Scrofula; Diseases of Women, Aches and Pains; Heart Troubles and a great variety of Chronic Diseases, with evidences that in many cases, these diseases are curable. Sent for one stamp. Address MURRAY HILL PUB. CO., No. 129 E. 28th Street, N. Y.

THE GREAT MEDICINE
PRICES REDUCED

By reason of the Great Success of DAVID CLARK'S EUCALYPTUS REMEDIALS, many persons have compounded various preparations, calling them the *Eucalyptus Medicines*, when in fact they are no more in character, quality and medicinal value as compared to CLARK'S GENUINE REMEDIES than brass to gold.

In order therefore to *Counteract* the great wrong and injury inflicted upon the sick and suffering and as

SOLE AGENTS OF THE U. S.
OF THE GENUINE
David Clark's Eucalyptus Remedials,
We have resolved to offer the
Genuine Medicine
at a
REDUCTION IN PRICE OF 25 PER CENT.

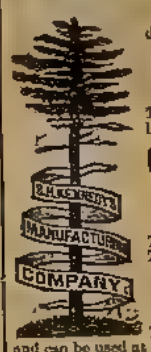
This Check Mate these Spurious and injurious preparations. All who wish the GENUINE MEDICINE should call at the Head Office, of
WARREN & CO.
Sole Agent for the U. S.
320 CLAY STREET,
San Francisco, California

HUTCHINSON & MANN,
INSURANCE AGENCY.
Nos. 322 and 324 California St., - San Francisco

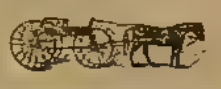
FIRE INSURANCE.
RARD.....of Philadelphia
HOME.....of Columbus
NEW ORLEANS ASSOCIATION.....
PEOPLE'S.....of Newark
REVERE.....of Boston
LA CAISSE GENERAL.....of Paris
ST. PAUL.....of St. Paul
UNION.....of Galveston
TEUTONIA.....of New Orleans
BERLIN-COLOGNE.....of Berlin
LA CONFIANCE.....of Paris

MARINE INSURANCE.
PARIS UNDERWRITING ASSOCIATION.....of Paris
LONDON and PROVINCIAL MARINE INS. Co. London
Capital Repr[illegible].....$23,000,000
All Losses Equitably Adjusted and Promptly Paid.

S. H. Kennedy's Mf'g Co.
MANUFACTURERS OF
SHEEP DIPS.
The Largest of the Kind in the U. S.



Please Examine the list of the differen dips and prices, viz:
Dissolved Sulphur Dip,
Price, $2.25 a gallon,
This is equal to 30 pounds the best Sublime Sulphur.
Concentrated Extract of Tobacco Dip,
Price, $2.75 a gallon,
This is equal to 40 pounds best Leaf Tobacco.
Non-Poisonous Dip,
Price, $2.25 a gallon,
This is our Favorite Dip, as it Cures Scab and can be used at any degree of strength with safety.
HEMLOCK POISONOUS DIP,
Price, $2.25 per gallon,
And is the Best Poisonous Dip in Use
EACH GALLON OF THESE DIPS
Will make enough for 225 Sheep After Shearing.
Put up in One and Five Gallon cans with full directions for use.
Pamphlets sent Free to any Address.
Sold by all Principal Dealers in the United States.
S. H. Kennedy's Mf'g Co.,
OMAHA, NEB.
W. H. FLETCHER, Merchant,
Sydney, N. S. W.
AGENT FOR SYDNEY.
Samples of This FAMED DIP Can Be Had at The
FARMER OFFICE,
320 CLAY ST.



FOUR SPLENDID WAGONS.

Farmers who desire a splendid Single or Double Seated Wagon, of the BEST make and BEST finish, can have a special bargain if they will call at 320 Clay Street, FARMER Office, where style of the Wagon will be shown them, price and terms also. An early call will secure a bargain rarely obtained.

The Maryland Farmer,
A MONTHLY MAGAZINE Devoted to
Agriculture, Horticulture and Rural Economy.
THE OLDEST AGRICULTURAL JOURNAL IN MARYLAND.
Terms $1. per Year in Advance
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THE MARYLAND FARMER HAS A LARGER CIRculation and will be read by more Farmers, Planters, Mechanics, Merchants, and others interested in Agriculture, than any other paper which circulates in the Middle or Southern States, and therefore is the best medium for advertisers who desires to extend their sales in this territory.

FREE! FREE!!
A full size "Mirror" sent by mail, post-paid on receipt of a 3 cent Stamp. Only a few more left. Address, JOHN J. MAGINNIS, Sandwich, Ill. Mention this paper.

PACIFIC MAIL STEAMSHIP CO.

The Steamships of this Company will sail from SAN FRANCISCO, during the year 1880 as follows:
From Wharf, cor. of First and Brannan Sts.
— HOUR OF DEPARTURE, 12 NOON. —

For YOKOHAMA and HONG KONG.

CITY OF TOKIO		CITY OF PEKIN.	
March	20th	February	7th
		May	1st

And after May 1st, on the 1st of every month.
Connecting at Yokohama with steamers of the MITISU BISHI Co., for
HIOGO, NAGASAKI and SHANGHAE.

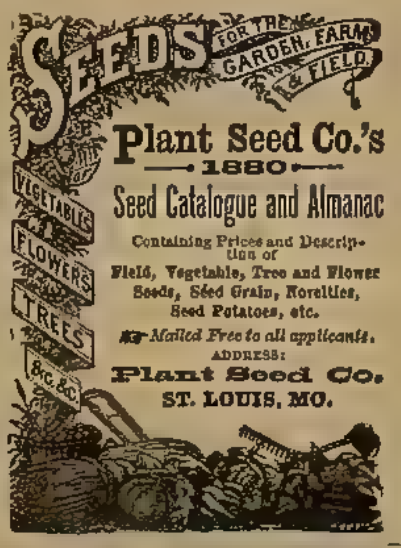
For SYDNEY and AUCKLAND via HONOLULU,

Jan 10,	Feb 16,	March 15	April 12,
May 10,	June 7,	July 5,	Aug. 14,
Aug. 30,	Sept. 27,	Oct. 25,	Nov. 22
Dec. 20.			

Round the World trip Tickets, via New Zealand and Australia, $650. Tickets also issued from San Francisco to New York via New Zealand and Australia.

For NEW YORK via PANAMA
5th and 20th of every month.
Taking Passengers and Freight for MEXICAN, CENTRAL AMERICAN and SOUTH AMERICAN Ports.
For HAVANA and all WEST INDIA Ports:
For LIVERPOOL, LONDON and SOUTHAMPTOM.
For ST. NAZARIE, and for HAMBURG, BREMEN and ANTWERP.
— FOR —
For Victoria, B. C.; Port Townsend, Seattle, and Tacoma.
Connecting at Tacoma with Northern Pacific Railroad for Portland, Oregon, and at Seattle, with local Steamers for Skagit River and Mines.
On the 10th, 25th and 10th of every month.

WILLIAMS DIMOND & CO.,
General Agents.
San Francisco January 1st. 1880.



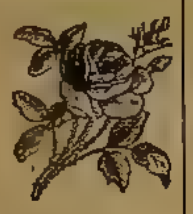
Plant Seed Co.'s
1880
Seed Catalogue and Almanac
Containing Prices and Description of
Field, Vegetable, Tree and Flower Seeds, Seed Grain, Novelties, Seed Potatoes, etc.
Mailed Free to all applicants.
ADDRESS:
Plant Seed Co.
ST. LOUIS, MO.

CO-PARTNERSHIP NOTICE. THE BUSINESS heretofore conducted by HENRY B. WILLIAMS, under the firm name of WILLIAMS BLANCHARD & CO., will be continued and carried on by the undersigned, who will assume all contracts, and will receipt and liquidate any and all indebtedness due to and owing by said firm name of WILLIAMS, DIMOND & CO.
HENRY B. WILLIAMS,
A. CHESEBROUGH.
W. H. DIMOND.
San Francisco, December 31st, 1879.

Fearless Railway Threshing Machine.
We call the attention of farmers and threshermen to the advertisement of the Fearless Horse-Power and Thresher and Cleaner, elsewhere in this number of our paper. This machine is the only one that received an Award on both Horse-Power and Thresher and Cleaner at the Centennial Exhibition, Philadelphia, and ranks as best of its class. An Ex-President of the New York State Agricultural Society said of Harders' Machines, "they are the best ever made", and the same testimony has been borne by equally good authority time and again.
For further information send to Minard Harder, Cobleskill, N. Y.

WHERE WAS THE ADVERTISEMENT?
Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the *information of their Wants.*

SANTA CLARA VALLEY
Nursery,
Trees, Plants, Shrubs.



I OFFER FOR SALE THIS SEASON A LARGE GENeral assortment of Nursery stock; Fruit Trees, small Fruits, Shade and Ornamental Trees and Plants.
ROSES, in great variety and choice.
APPLE and PEAR SEEDLINGS at reduced prices.
Also the MIPOBOLAN PLUM, which does not sucker.
To parties buying largely I offer special inducements.
Catalogues free on application.
BERNARD S. FOX, Proprietor.
San Jose, Cal.,
Thomas Meherin, Agent.
516 Battery Street,
SAN FRANCISCO.
49:20 3m

W. H. FLETCHER,
Shipping and General Commission Agent,
SYDNEY.

HAVING HAD CONSIDERABLE EXPERIENCE IN the Australian Trade is in a position to purchase and ship Colonial Merchandise and to attend and promptly, to the disposal of Californian Produce consigned to him for sale.
REFERENCES.
HUGH CRAIG, Esq., 307 California Street.
MESSRS. WARREN & CO., San Francisco.
49:10

Our latest improved sawing machine cuts off a 2-foot log in 2 minutes. A $100 PRESENT will be given to two men who can saw as much in the old way, as one man can with this machine. Circulars sent free. W. GILES, 741 W. Lake St., Chicago, Ill.

CAUTION.—We are stopping all infringements upon our Patents, and have sued W. W. Bostwick and Farmers Manufacturing Co, for making machines like ours. We have also sued W. H. Clark, of Star City, Ind., for using and selling said machines. 49:20 1m

SAN FRANCISCO CORDAGE CO.
ESTABLISHED 1856.

Have constantly on hand a full supply of all kinds of Manila and Sisal Rope—manufactured from the best Fibres and by the latest improved machinery. All our Manila Rope GUARANTEED.
HAY ROPE.
The special advantages of Rope for baling purposes, are the uses to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for Halters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when baled with Rope.
FOR SALE BY ALL DEALERS.
TUBBS & CO.,
611 AND 613 FRONT STREET,
SAN FRANCISCO.
49:7

Farmers' Accounts.

WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer.
A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to all—handsomely got up and finely bound Price, $2.50, worth ten times the cost. 45:21

TO INVENTORS AND MECHANICS.
Patents and how to obtain them. Pamphlet of pages free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 31,
48:19 tf *Washington, D. C.*

GARDNER'S PLACE.
A WELL QUALIFIED GARDINER WHO THOROughly understands the laying out of gardens, Parks and extensive grounds, also fully qualified to carry on a propagating Plant House and a Conservatory.
The Advertiser is familiar with English Scientific Horticulture, and would not object to taking a good situation in Australia, or any place where good work is wanted. Apply at FARMER Office, or address W. G. B.

The Great Remedy
The Eucalyptus Cure!
DAVID CLARKE'S
Liver and Bilious Pills.
Full Directions for Use Accompany every Box.
— ALSO —
CLARKE'S
Concentrated Compound Fluid Extract
— OF —
EUCALYPTUS
Clarke's
LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.
They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1878.
To MR. DAVID CLARKE, Chemist, Warwick.
DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed *good health* since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON.

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 29, 1874.
TO MR. DAVID CLARKE, Chemist and Druggist, Warwick.
DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.
I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)
JOHN GREEN,
—Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.
We give but a few of the many we have received—but they are all of the most reliable character.
From San Jose we have a letter from a distinguished citizen who writes thus:
"A lady who had been badly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."
The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.
COL. WARREN—*Dear Sir:*
I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,
GALEN CLARK,
Commissioner Yosemite Valley

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, coming from so high a source, we feel it a duty we owe to the public to give it the following letter

SANTA CLARA, SANTA CLARA COLLEGE.
COL. WARREN—*Dear Sir*
Heretofore we have had no occasion of trying the Eucalyptus Medicines in Pills or Liquids, but we have commenced to use them, and we find them very beneficial, some of our Fathers find a great relief in their complaints, the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare. Yours respectfully,
A. CICHI, S. J.

At later date we received the following, another proof of the virtue of this Medicine.
The Pills we find to be a mild and beneficial cathartic. The Liquid Extract is a valuable Blood Purifier and a good appetizer. A. CICHI, S. J.

The above from Prof. Cichi, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedia.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.
Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.
Ask your Apothecary to be sure and give you David Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY
David Clarke,
Manufacturing and Wholesale Chemist,
AT HIS LABORATORY,
Warwick, Queensland.

FOR SALE BY
WARREN & CO.,
SOLE AGENTS FOR THE
UNITED STATES.
N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

EUCALYPTUS IN SACRAMENTO.
We have appointed the well known house of
MESSRS. H. C. KIRK & Co.,
our agents for the County of Sacramento, for our famed EUCALYPTUS REMEDIES in all their varieties.
Messrs. Kirk & Co. are at the head of the Drug and the Apothecary business in that City and we invite our readers in that region, all who wish to be relieved from suffering to call on them and obtain the only true Eucalyptus remedies, those of David Clark's manufacture.

Home Miscellany.

"There is no place like home.
Home! It should be Heaven on Earth

THE VALENTINE.

What are thy thoughts, thou placid one
Thy glance is mild as evening sun—
Holy and bright the lucid beam,
As love and hope were in thy dream.
Calm are thy feelings—still and deep
As seraph's joy, or infant's sleep.
Not thine the British Sappho's eye,
Like love's volcano blazing high—
Flush'd cheek, and passion-stricken brow,
Are not for one so pure as thou;
Thou'rt not a thing all smiles and tears,
Wasting thy soul in hopes and fears
Yet thou, sweet maiden, can'st not hide
Affection's deep and noiseless tide.

A sudden'd hue is on thy cheek—
Thy thoughtful look is still and meek;
And well I know that young love flings
A shadow from his purple wings.
'Tis sad to think life's sunlight gleam
May leave thee, like a morning dream—
Can brows so gentle and so fair,
Be early mark'd by with'ring care?
Ah, listen to the plaintive tone
O'er all Felicia's music thrown!
Heaven spare thee the thrilling sigh,
Which wakes her harp to melody!

There's subtle power in every line
Of that bewitching Valentine;
If once within the throbbing heart,
Nor time, nor change bids it depart;
And seldom it's a quiet guest,
In woman's fond devoted breast;
New thoughts may fire the weary brain,
But hearts once chill'd, ne'er warm again.

Yet, lady, trust the dang'rous boy!
His smiles are full of light and joy;
And e'en his most envenom'd dart
Is better than a vacant heart.

THE SAILOR'S SONG,

On board Ship Sweden, "coming round the Horn" in 1849

We're off for California, as many others go
Pull away men, Pull away men, Yo heave O
Our trinkets sold, then with our Gold
We're back again you know.
Pull away men, Pull away yard be,
Pull away men, Pull away men, Pull, and up she'll go.

We met the storm, around Cape Horn, Yo heave O
The more it blew, quicker we flew, Yo heave O,
Now pull away tight, our sides are bright, Yo heave O
Francisco Bay nearer each day, Yo heave O
Pull away men, Pull away men, up the main-yard O
Pull away men, Pull away men, Pull and up she'll go.

Our Noble Ship may plunge and dip, Yo heave O
We know she's strong, so pull along Yo heave O
Think of the Shore and the shining ore Yo heave O
We'll soon be there, begone dull care, on we go,
So pull away men, pull away men, steady, steady, so,
Another pull, she's here, all right belay, let go.

HOPE ON.

BY MISS C. E. JENNESS.

Has thy plume been soiled, and clouds o'er thine eye,
While the glancing arrows around thee fly?
Are thy footsteps faint in the strife and fray,
Though the fight is yet in the noon of day?
Warrior, awake! and rouse once more;
Hope on, hope on, until life is o'er.

Is thy heart bowed down with a bitter woe,
Thine anchors lost in the depths below,
No friend by thy side, and no voice of cheer
To give thee strength in the hour of fear?
O Mariner, fear not, a star is on high,
Hope on, hope on, for thy God is nigh

Are thy nerves unsheathed, O Poet, and worn,
As on thou art urged to a far distant bourne?
Thou hast worlds of glory unseen within,
Though shadows around are darkened with sin,
And the kingdom of love beyond thee lies,
Hope on, for thy songs are sung for the skies!

PORTSMOUTH, N. H.

THE LOVER'S PERILS.

Have I ever been wrecked at sea,
And nigh to being drowned?
More threat'ning storms have compassed me
Than on the deep are found!

What coral reefs her dangerous lips!
My bark was nearly gone;
Hope plunged away in dire eclipse!
And black the night rolled on.

What seas are like her whelming hair,
That swept me o'er and o'er!
I heard the waters of despair
Crash round the distant shore!

"Come, Death!" I murmured in my cries—
For signals none were waved—
When both light-houses in her eyes
Shone forth, and I was saved!

—James T. Fields, in *Harper's Magazine for February.*

A VOICE FOR TEMPERANCE.

BY CARO.

Words, words! give me but these, the spirit's vent,
For all the glowing thoughts that "heaped and pent,"
Crowd o'er my soul, with an impetuous swell
Where eloquence has breathed its hallowed spell!
For it has gathered in each strain it heard
As forest leaves, by thrilling night-winds stirred!

O there is *majesty*, a lofty might
In mind and voice, contending for *the right*!
And well in these may be our fearless trust;—
The giant foe, shall yet be *low* in dust.
And *the world* shall read on the banner high
The star-written watch-word "WE CONQUER OR DIE."

God speed ye, champions in a noble field,
His lofty gifts the weapons that ye wield!
I may not blend in song, your glory shine
Yet humbly trust a loftier muse than mine
Will catch the lyre I strive to thrill in vain
And wake *the echo* in a *sweeter strain*.

Portland, March 5th, 1846.

For him who does everything in its proper time, one day is worth three.

A STORY WORTH READING.

Mrs. Marchell's Bound Girl.

"I think that I'll take *that one*" said Mrs. Marius Marchell, pointing with the end of her finger in one particular direction,

It was quite a little life-picture—the row of eager-eyed girls, standing in the stuffy little reception-room of the orphan asylum at Bloomington, each clad in her dingy grey stuff gown, with a green gingham bib-apron, and hair cut close to the head—a style of coiffure which gave an undue predominance to the ears, and would have made the divine Venus di Milo herself look like a female pickpocket. Just behind them stood the matron, a fat old woman, with a crumpled white cap, and three distinct layers of chin, and a hungry dog peeping in at the half open door, completed the tableau.

Deborah Dove, a stumpy girl of thirteen, with empurpled fingers and blunt nose, sighed deeply; Sarah Jackson's freckled countenance fell. The others looked stolidly about them, indifferent as to Mrs. Marchell's preference or neglect; and a little grey-eyed lassie at the end of the line, who had been balancing herself uneasily on one foot, like a crane, started forward with a half-stifled cry of delight.

"Phœbe Locket!" cried the matron.

"Phœbe Locket, if that's her name," said Mrs. Marchell decidedly.

"Why, she's the smallest of the lot," said the matron.

"She'll grow," said Mrs. Marchell.

"And the ugliest," added the matron.

And at her unconsidered words, poor little Phœby winched and hung down her head, as if some rude hand had struck her.

"Handsome is that handsome does," returned Mrs. Marchell, didactically. "Put gs please, Mrs. Jenks, and let the lady directress know that I have decided."

As Phœbe Locket rode away in the open farm-wagon, sitting beside Mrs. Marchell's ample figure, the farmer's wife looked down, and caught the clear eyes looking timidly up into hers, like wells of grey water.

"Come," said Mrs. Marchell, brusquely, "what are you thinking about?"

"Please, ma'am," said Phœbe, "I was wondering why on earth you chose *me*, when Caroline purple was so much prettier, and Deborah Dove a great deal taller and stronger."

"Humph!" said Mrs. Marchell. "I chose you because I liked your looks. You're little but you're wiry: you aren't pretty as some of those simpering girls, but you've an honest look in your face. That's why I chose you."

"Thank you, ma'am," said Phœbe, simply.

And she rejoiced fervently in her innocent little heart, in that she had escaped from the iron rule, scanty fare and distasteful drudgery of the Bloomington Orphan Asylum at last.

Mr. Marchell, a stout, good-humored farmer, with a shining bald head and a pair of English iron-grey side-whiskers, welcomed the little girl with a kindly pat on the head, and an admonition to "be sure and do her duty, and it would always be done by her.

And Charley Marchell, the only son, and heir of the red-brick farm-house, with its acres of golden wheat and emerald stretches of pasture-land, nicknamed her "Miss Midget" on the spot.

"Because you *are* such a stunted little affair," said he.

Phœbe Locket had not been "bound girl" at the Marchell farm-house for more than a few months, when, one day, Mrs. Marchell came into the great airy "keeping-room," with a perturbed expression on her countenance.

"I thought I heard a fiddle somewhere," said she.

"Just what you did hear," said Charlie. "It's Phœbe in the garret."

"Phœbe!" ejaculated Mrs. Marchell. "And where on earth did *she* get a fiddle?"

"Borrowed it from old Mr. Findley," said Charlie, laughing. "You never saw a creature so bewitched after a fiddle as she is."

"Nonsence," said Mrs. Marchell, sharply. "What business has a bound girl with a fiddle, or with any sort of music, for that matter?"

"It's no harm, wife—no harm," said the farmer, indulgently.

"But it is harm," said Mrs. Marchell. "And I mean to put a stop to it."

And Phœbe Locket, seated Turk-fashion on the floor of the old garret, with a tattered shawl wrapped around her shoulders, and the red level light of the Winter sunset weaving itself around her short, auburn curls was interrupted in her musical reveries by the abrupt entrance of Mrs. Marchell.

"Give me that fiddle," said Mrs. Marchell.

"Ma'am?" said Phœbe, dropping the bow, in her amazement.

"It's a silly waste of time," said Mrs. Marchell, "Besides being sinful."

"But," pleaded Phœbe, "I've done all my work!"

"No matter whether you have or not," said Mrs. Marchell. "There's always your patchwork to do, and 'Blair's Sermons' to read, besides the weekly paper. Give me that fiddle, I say."

Poor Phœbe gave it up, trying hard to choke down the tears and sobs.

Old Moses Findly, the village violinist, who officiated at dances, weddings and merry-makings in general, and filling up the interstices of his time with the making and mending of shoes, looked fairly astounded when Mrs. Marchell bounced into his seven-by-nine shop, and flung the musical instrument on the work-bench.

"Eh?" said old Moses, adjusting his spectacles on the bridge of his nose.

"There's your old fiddle," said Mrs. Marchell; "and I wish after this, you'd be kind enough to keep it at home, and not go putting nonsence into my bound girl's head?"

"But it ain't nonsence," said old Moses. "She's got a capital idea of music, Phœbe has; and—"

"Nonsence!" said Mrs. Marchell.

"And a very decent voice, if only it was cultivated."

"Pshaw!" cried Mrs. Marchell, and she flounced out of the shop in a rage.

But if Mrs. Marchell was the child's temporal mistress, music was her spiritual one. Phœbe Locket went quietly about her work, in the years that followed, but she could not forget the divine strains which the well-rosined bow had drawn out of the antique violin, in the red glow of the Winter sunset, that January afternoon in the garret.

Mrs. Marchell had done up her front hair in papers, assumed her grey flannel dressing-gown, when chancing to look out of the north kitchen window, she saw, or thought she saw, the glimmer of a light in the top window of the barn.

"I can't have been mistaken," said Mrs. Marchell; it ain't the time of year for fire-flies, and will-o'-the-wisps don't go dancing and twinkling round our barn. It's tramps—that's what it is."

"Fiddlesticks!" said Mr. Marchell, sleepily, from the exact centre of a downy feather pillow.

"There was two men asked for a drink of milk, at the buttery door, just about dusk," added the lady, "and I didn't much like their looks at the time."

"It's all right, I dare say," yawned Mr. Marchell.

"Well," cried the farmeress, energetically, "if you don't go to look into it, I will."

And flinging her husband's shaggy overcoat around her, and taking the lantern in one hand, she started for the barn.

She was right, there was a dim tallow candle burning in the barn chamber, and by its flickering light Phœbe Locket was busy practicing on the violin, from some sheets of torn and well-thumbed music.

She started up with a cry, at the apparition of Mrs. Marchell in the doorway—an avenging spectre, with a shaggy overcoat and a dark lantern.

"Ungrateful girl!" tragically cried out Mrs. Marchell; "how dared you to disobey me?"

"I meant no harm," faltered poor Phœbe. "I hired the violin from the village music store, with the dollar that Mr. Marchell gave me for finding his gold spectacles, and Mrs. Musard gave me the music; and I came out here of a night, so that the noise shouldn't disturb you."

"Phœby," what a goose you are! Why don't you stick to your needle, and your rolling-pin, and your scrubbing-brush, as other girls do? How do you ever expect to find bread in the strings of a fiddle?"

Phœby hung down her head, and said nothing in reply.

"We may as well break the charm at once," said Mrs. Marchell. "I'll take you to the concert at Bloomington to-morrow night. They tell me there's to be a girl-violinist there, as plays *like* playing; and if that don't cure you of your silly ambition, I don't know what will."

Phœbe Locket crimsoned to the very roots of the

"I—I can't go!" said she. That is, not with you. I promised Mrs. Musard to go to her house; but perhaps she will take me. The Musards are all going to the concert."

"It don't matter how you go," said Mrs. Marchell, "nor with whom, so long as you see real excellence and learn the folly of your silly aspirations."

"But," faltered Phœbe, "why shouldn't *I* be a good player sometime, too?"

"Why shouldn't the sky fall, and we all catch larks?" contemptuously retorted Mrs. Marchell. "As for you, the best thing you can do is to go into the house and go to bed as fast as possible."

And crestfallen Phœbe obeyed.

Mrs. Marchell dressed herself in her best black silk, to go to the Bloomington concert, the next evening.

"For I suppose it will be something very fine," said she. "Where's my eye-glasses, Charley? I must take them along, if I expect to see anything, for I do declare I'm getting blinder every day."

"I expect, mother," Charley answered with a little laugh, "you'll see a lot of things to surprise you."

The concert had proved an unusually great attraction in the neighborhood, and the hall was crowded when the Marchell party arrived, so that Mrs. Marchell was forced to be content with a camp-stool at the very back of the room.

"Dear, dear! how provoking this is!" said the old lady. "And Charley didn't find my glasses after all. I shan't see a thing!"

"But you can *hear*," said Charley.

"Hush-sh-sh!" said his mother. "Isn't that the violinist—a pretty, light complexioned girl, in white, with roses in her hair? Now, I *do* hope Phœbe Locket is here to see this."

The violinist was greeted with shouts of applause, which died away into silence as the delicious music rose upon the air, floating upwards like the halos we see in ancient pictures.

It was a short *capriccio*, and, when it ended, Mrs. Marchell was in tears.

"I never thought before that I cared so much for music," said she to Charley. "But such music as *that!* Do you know, Charley, it seemed to me exactly as if my little baby that died, twenty years ago was whispering in my ear! Oh, if Phœbe could only hear this!"

The female violinist was certainly *the* feature of the night. And at the close of the concert she was again and again called before the curtain to receive the rapturous plaudits of the Bloomington public.

"Where's Phœbe?" said Mrs. Marchell, standing on one of the benches to look around her. "Has anyone seen our Phœbe here?"

"I have," said Charley dryly. "Shall I take you to her?—here, in the little room adjoining the stage."

"But, what is she doing here?" said Mrs. Marchell, perplexedly.

"Counting her boquets, I suppose," Charley said, with the same odd little laugh.

And, without further ceremony, Mrs. Marchell was ushered into the presence of the female violinist herself, all in white, with deep red roses glowing in her hair, and cheeks aflame with happy triumph.

"Phœbe!" ejaculated Mrs. Marchell, fairly out of breath with astonishment. "This is never—you?"

Phœbe flew into Mrs. Marchell's arms.

"Yes, dear, dear friend," she cried, "it is I!"

"Why didn't you tell me?" said the farmer's wife, reproachfully.

"Because I was so afraid that my first appearance would be a failure," confessed Phœbe.

"I suppose you will never come back to the farm-house again!" said Mrs. Marchell.

"Yes, I shall!" cried Phœbe. "I shall be your own Phœbe still, if only you'll let me practice in the garret, once in awhile."

"You shall practice all over the house!" cried Mrs. Marchell.

"Didn't I tell you, mother," said triumphant Charley, "that you'd see something to surprise you? But you'll be still more surprised when—"

"Charley, don't!" cried out Phœbe, growing rosier than ever.

"You needn't," said Mrs. Marchell, looking brightly from one to the other. "I can guess."

"She's such a darling, mother?" said the young man

And Phœbe threw both her arms around the elder woman's neck, and whispered softly;

"*Mother!*"

DOMESTIC RECEIPES.

TOAST.—Comparatively few know what really good toast is. A hasty singe of one or both sides does not make toast; nor do thin slices of bread dried through. Cut slices of uniform thickness, a half inch or ⅝ths inch; move around over a brisk fire, to have all parts toasted alike; keep only so near the coals that the pieces will be heated through when both sides are well browned. If the slightest point is blackened or charred, scrape it off or it will spoil the flavor of the whole. If covered with an earthen bowl, it will keep both moist and warm A clean towel or napkin will answer if it is to go at once to the table. No one can make good toast out of poor bread. Stale bread may be used for milk-toast; sour bread may be improved by toasting it through; heavy bread makes poor toast. Sweet light bread, only a day old, or less, makes the best toast.

LAMB, (Shoulder.)—A nice way to cook a shoulder of lamb is to bone it, and fill the space with stuffing made of chopped mushrooms, parsley, salt pork, cracker crumbs, some sweet herbs, pepper, salt, and a raw egg. Braise it with some good stock gravy, and send it to the table surrounded by spinach, garnished with slices of egg.

A QUARTER OF LAMB.—To roast a quarter of lamb, lard it slightly with salt pork, and sprinkle it with bread crumbs and finely chopped parsley. Make a sauce of some stock gravy, a tablespoonful of vinegar, chopped mint, a little yolk of egg, and mushroom catsup; pour over the joint, and let it stand in the oven a few moments. Serve with green peas with which a little bunch of mint has been boiled.

"LOPPERED" MILK.—A delicious summer dessert consists simply of milk which was *thickened*, taken out quivering, like custard, and eaten with cream and white sugar. It must not be allowed to *whey*, as it is then not *lobbered* but sour milk. It is a favorite dish in Germany.

THE TEA WE DRINK—Prof. Leeds, of the Stevens Institute of Technology, states that adulteration of foods is not practiced with poisonous substances, but only substances harmless in themselves, used to increase the bulk or weight. The bread may be adulterated with potatoes, and syrup with glucose, a substance less sweet. He never found anything worse than water in milk. Tea at 35 cents a pound failed to exhibit under the microscope any signs of tea-leaves, and this can be readily believed when it is known that a good tea costs a dollar per pound in Funchow near the source of supply.

THE SCIENCE OF LIFE—The science of life consists in knowing how to to take care of your health, how to make use of people, how to make the most of yourself, and how to push your way in the world. These are the things which everybody ought to know. How never to get sick, how to develope your health and strength to the utmost, how to make every man you meet your friend—all these and many other things are to be included in the science of living, and the pity is that we appreciate it at its true value only when the bloom of life is gone.

SNUBBING.

Don't "snub" the children. Nothing tends to check the development of the mind and character of the young so much as what used to be called "sitting down." Unless children are preposterously conceited, or insufferably forward, snubbing is a bad regimen. You might as well think to rear flowers in frost as to educate children successfully on reproof and constant criticism. Judicious flattery is one of the necessities of life—as necessary as air, food or water.

A farmer of Fairfield, Michigan, has the longest beard on record—seven feet and a half.

[A tall kind that for a Michigan Farmer, the bearded variety we suppose,—ED. FARMER.]

Eight telegraphic messages over one wire at the same time, is the latest achievement in this line of invention by a German savant.

One of the chief offices of a good nurse is to think of her patient. An invalid should never be teased with the exertion of making a decision.

An examination of 3,436 persons at Marseilles, France, in reference to the frequency of nearsightedness, showed that this defect is far more common in light than in dark eyes.

Males are much more subject to color-blindness than females,—the organ of color in woman, as in comparison with man, existing in a much higher state of development.

SHERMAN & HYDE,

WHOLESALE AND RETAIL

MUSIC DEALERS,

CORNER KEARNY AND SUTTER STS.,

San Francisco.

WEBER PIANOS

.... ARE ....

THE BEST.

What the Great Musicians and Singers say of them.

NEILLSON. I shall take every opportunity to recommend and praise your instruments.

KELLOGG. For the last six years your Pianos have been my choice for the Concert Room, and my own home.

PATTI. I have used the Pianos of every celebrated maker, but give yours the preference over all.

STRAUSS. Your Pianos astonish me; I assure you I have never yet seen any Pianos which equal yours.

WEHLI. Madame Parepa called your Pianos the best in the United States. I "fully endorse," that opinion. They have no "rival anywhere."

MILLS. Amongst the many excellent Pianos made in the city, the Weber ranks foremost.

LUCCA. Your Uprights are extraordinary instruments and deserve great success.

MURSKA. Your instruments surpass my expectations and I rank you justly as the Foremost Manufacturers of the day.

GODDARD. Your Instruments have no "superior" anywhere. I certainly have not seen any Pianos in America which approach them even.

The Cottage Gem Piano,

Is 7 Octave. Serpentine Mouldings. Carved Legs, and is the BEST PIANO in the market for the price.

$350.00.

The Standard Organ

Has a Beautiful Case, full, rich tone, and for durability

Excels all Others!

.... FOR ....

Sheet Music, Music Books,

OR ANY ARTICLE IN THE

MUSIC TRADE

CALL ON, OR ADDRESS,

SHERMAN & HYDE,

CORNER KEARNY AND SUTTER STS.,

44:21 SAN FRANCISCO.

Santa Clara College, S. J.

SANTA CLARA, CAL.

THE TWENTY-NINTH ANNUAL SESSION OF THIS Institution will be resumed Tuesday, August 12.

This Institution was founded in 1851, and in 1855 was incorporated with the privileges of a University. It occupying six large buildings with extensive shady playgrounds, covered gymnasiums, swimming pond, etc.

It possesses a most complete philosophical apparatus, valuable collections of mineralogy and geology. It has the practical schools of Assaying, Surveying, Telegraphy, Photography, and Commercial business. For the latter a new building 180x40 has just been finished that leaves nothing to [illegible].

Diplomas are given in two Departments, the Classical and the Scientific, and certificates in the Commercial course.

TERMS—(Payable semi-annually in advance) Matriculation fee, to be paid but once..... $10 00
Board, Lodging, Tuition in all branches, Washing and Mending of Linen, School Stationary, Medical attendance and Medicine, Baths, etc., per session of ten months..... 250 00

For further particulars apply to the President of Santa Clara College, or to St. Ignatius College, 841 Market Street, San Francisco

34-1 REV. A. DRUNENGO, S. J., President.

FREE GIFT!

A copy of my **Medical Common Sense Book** will be sent to any person afflicted with **Consumption, Bronchitis, Asthma, Sore Throat, or Nasal Catarrh.** It is elegantly printed and illustrated. 144 pages, 12mo, 1873. It has been the means in the providence of God of saving many valuable lives. Send name and post-office address, with six cents postage for mailing. The book is invaluable to persons suffering with any disease of the **Nose, Throat or Lungs.** Address **Dr. N. B. WOLFE, CINCINNATI, O.**

6:11

SEND THE FARMER ABROAD.

We would ask all our readers who have kindred and friends in the Eastern States or in Europe who feel an interest in California, its wonderful progress and its productions, to send to such friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them such a JOURNAL as the CALIFORNIA FARMER. We know our JOURNAL is hailed with a pleasurable interest in every State in the Union, and in Europe, and welcomed into the HOME CIRCLE everywhere, as a JOURNAL free from all impure and objectionable reading matter or advertisements.

To every subscription abroad, SPECIAL PREMIUMS OF SEEDS are donated with the paper, to benefit our State. See new subscription prices.

FREE A VALUABLE PACKAGE OF SEEDS. SEND 3 cent stamp. Box 48, Sandwich, Ill.

Miscellany.

Gatherings along the way side,
Floating gems by every tide.

NO REASON FOR IGNORANCE.

BAD SPELLING.

Almost universally there is one common error for which there is little or no excuse, it is that of *bad spelling*, and yet there are many persons of a general good common education who are most intolerably bad spellers, of this Editors are familiar by the letters they receive.

For the old or middle-aged persons there is considerable excuse, but for a young man or a young woman, when knowledge is so easily obtained there is no shadow of excuse, for if they had the desire to be correct they can buy a "WEBSTER UNABRIDGED" one of the grandest books published and to be had too, for a little money, and this book would *Bridge them over the dark chasm of ignorance and bad spelling*, and those who do not wish to spell correctly may be set down as the downright lazy minded ones.

We think Messrs. G & C Merriam, the Publishers of the Great "Webster's Unabridged" would make a good point if they would offer as a Premium one of their Dictionaries for the *worst* specimens of spelling to be furnished by *Editors* in their correspondence. It would be a salable volume to collect a hundred or two of such letters and publish them on bad spelling and thus prompt poor spellers to study Webster.

THE ROUND TRIP.

We have before us a very handsome bound volume of 331 pages bearing the above title, being "Notes by the Way' of a traveller's voyage, by the way of Panama, through California, Oregon, Nevada, Utah, Idaho, and Colorado, together with notes upon Rail Roads, Commerce, Mining, Agriculture, Scenery, and the People.

This valuable volume by the Author, John Codman, Esq., a name honored in old Massachusetts, (God bless her) and where ever known, gives to the reader a valuable fund of historical data and interesting information that can be found in no other work. The Author's descriptions and all through the book are of a very highly interesting character, and the citizens of the places narated should possess the book, read it and learn of their own country and its resources.

The book is very handsomely got up by Messrs. G. P. Putman & Sons, and for sale by all the Book-sellers.

Ignorance is Vice.

"It is not," Mr. T. C. Leland says, "in the families of the well-informed that a familiarity with vice obtains. It is not there where the very air is poisoned in which our children live. It is the untaught, the uninstructed, those who are made to believe that sex in itself is vile, and that it is a sin and shame to know anything of its essence and of its laws; it is these ignorant ones who make up the six hundred, and six thousand, and six millions of victims."

The Curse at Work.

A singular fact is noted in connection with the sarcophagus of Ashmenezer, King of Sidon, now deposited at the Louvre, the inscription of which has just been deciphered. It is in effect like that of Shakspere's tomb, uttering a curse upon whomsoever should remove the monarch's bones. It further declares that such robbers shall have no descendants, but shall be driven from their country. The Duke de Luynes bought the sarcophagus, he and his only son were killed in the Papal war of 1859. Again, Napoleon III brought it to Paris, and deposited it in the Louvre, he died and was buried in a foreign land, his only son died at the hands of savages in a strange country. There is not a descendant left of Napoleon III, or of the Duke de Luynes.

BENEFITS FROM THE EUCALYPTUS.

Beware of spurious and injurious preparation of Eucalyptus, which are being made and sold in many places.

By reason of the great success of DAVID CLARKE'S PREPARATION of the Eucalyptus, many persons have been sending out Remedies under the name of Eucalyptus Cures, and boasting of the pure *globulus* specific.

The true and genuine Remedies both in LIQUID and PILLS, and also in the RHEUMATIC OILS are prepared from a *combination* of many of the best species of the Eucalyptus.

The *globulus* alone however good *that variety* may be, cannot and does not make the Great Remedials, as prepared by David Clarke, the Chemist of Warwick, who by many years of study and care in combining the different varieties of the greatest virtue, has secured the best preparation known, the world over.

It is important that all who suffer should use the true preparations, and DAVID CLARKE'S is the best and only reliable preparation, as can be proved by hundreds of Testimonials in this City

"Now, mamma!" exclaimed a little one, as puss, arching spine and elevated rudder, strutted around the table, "See! Kitty's eat so much she can't shut her tail down."

The Encyclopedia of *Universal Knowledge*, in 20 volumes of 1000 pages to all for $10, and equal in all important respects to any Cyclopedia heretofore sold for less than $100. Just issued for publication by the AMERICAN BOOK EXCHANGE, 60 Duane street New York. They have also just issued Chambers's *Cyclopedia of English Literature*, complete in 2 volumes, neatly cloth bound for $2.00. The publishers of several hundred standard publications, at very low prices, will be sent free on request.

Valuable Estates For Sale!

Parties Who Desire to Purchase valuable

FARMS, RANCHES

Vineyards, Orchards

— AND —

COMFORTABLE HOMES,

Should Call at the FARMER OFFICE and See Our "List of Estates" For sale.

LANDED ESTATES FOR SALE.

Splendid VINEYARD and ORCHARD in Contra Costa County.

Homesteads LOTS and Valuable TRACTS of Land in Contra Costa Co. some of the finest locations in our State for Vineyards, upon rolling land and hillsides of the richest soils for Vines and Fruit Trees.

Fine ORCHARDS and VINEYARDS in Sonoma County.

ESTATES of VALUE in Los Angeles County.

FARMS and LOTS in San Diego Co.

And various LOTS of LAND in other parts of the State.

☞ The Purchaser will do well to see Our LISTS before they make their purchases

WARREN & CO.,
CALIFORNIA FARMER OFFICE.

BOOK
—AND—
JOB PRINTING.

POSTERS, CARDS,
—AND—
CIRCULARS,

PROMPT, CHEAP AND GOOD
AT THE LARGEST PRINTING HOUSE
On the Pacific Coast.

COMMERCIAL
STEAM MAMMOTH
PRINTING HOUSE.

FRANCIS, VALENTINE & CO.
517 CLAY STREET. 44

THE
Queensland Almanac.

LAW CALENDER AND DIRECTORY
FOR 1879,
For Brisbane, Queensland.

TWENTY-FIRST YEAR OF PUBLICATION

A complete Directory of all the Interests of Queensland—A valuable work of over 500 pages

Price, $1.50 Mailed.

For sale at THE CALIFORNIA FARMER Office, Warren & Co. Agents for Publishers

EW BARTLING HENRY KIMBALL

Bartling & Kimball,

BOOK-BINDERS, PAPER RULERS
AND MANUFACTRUERS
—OF—
BLANK BOOKS.

505 Clay Street, S. W. corner Sansome
San Francisco. 45:15

SAVE YOUR EYES.

AMONG THE MANY AND WELL ATTESTED virtues of the Eucalyptus Remedials, its great and invaluable agency in benefiting the EYESIGHT is one of its prominent features. By careful tests made by persons having WEAK EYES, and persons even of an advanced age, who have used "Clarke's Concentrated Fluid Extract" for the eyes as a bath the most astonishing results have been attained, weak eyes have been entirely cured and aged persons have had their sight so greatly improved as to do away with glasses. This liquid is for sale at the FARMER OFFICE, the American Agency, 320 Clay Street.

WELL AUGER. Ours is guaranteed to be the best in the world. Catalogue free.
W. W. GILES, 149 Clark st., Chicago, Ill.
9:18 6t eot"

Newspapers for Packing

A LARGE lot of good country newspapers in good order for packing up goods, can be had at reasonable rates, in lots of *One to Five Thousand.*

For Sale at FARMER OFFICE,
320 Clay St., San Francisco.

SHIPPERS OF FOREIGN AND DOMESTIC FRUITS
To all Parts of the United States.
J. F. FARNWORTH. - - - - - - - - - - M. T. BREWER.

THE NURSERYMENS' DIRECTORY.

The undersigned have in preparation the THIRD EDITION of the NURSERYMENS' DIRECTORY, embracing a list of NURSERYMEN, FLORISTS, SEEDMEN, HORTICULTURAL IMPLEMENT MAKERS and TREE DEALERS of the United States. The work will be sold wholly by subscription. the price which will be TEN DOLLARS per copy and will be issued early in 1880.

A limited space will be given to Advertisers, at the following Low Rates:

FULL PAGE,	$35 00	ONE THIRD PAGE,	$15 00
HALF PAGE,	20 00	ONE FOURTH PAGE,	10 00
ONE SIXTH PAGE,	$8 00		

For Sample Pages and further information, address, D. W. SCOTT & Co.,
Printers and Publishers, Galena, Illinois.

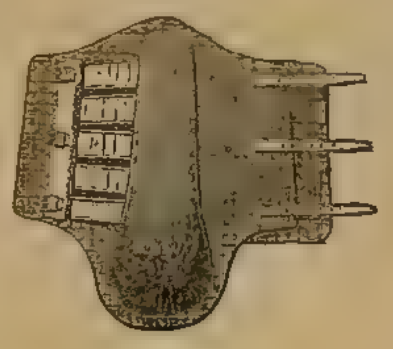
☞ A few copies left of the Edition of the Directory for 1877, at $5.00 per copy.

P. S.—Orders for Advertising in this Work can be left at the CALIFORNIA FARMER Office.

MAIN & WINCHESTER

Nos. 214 and 216 Battery Street,

SAN FRANCISCO.



No. 35.

ELASTIC SHIN BOOT.

Horse Boots of all Descriptions.

N. B.—Illustrated Boot Book with Prices sent on application. 47:20

PATENTS

In connection with the publication of the *Scientific American*, we continue to act as Solicitors for Patents Caveats, Trade-Marks, Copyrights, etc., for the United States, Canada, Cuba, England, France, Germany, etc. In this line of business we have had *thirty-three years' experience.*

Patents obtained through us are noticed in the *Scientific American.* This large and splendidly illustrated weekly paper shows the current progress of Science, is very interesting, and has an enormous circulation. Subscriptions $3.20 a year, postpaid; single copies 10 cents. Sold at all Book-stores and News-offices.

Can I Obtain a Patent? The quickest and best way to obtain a satisfactory answer, without expense, is to write to us (Munn & Co.), describing the invention, with a small sketch. All we need is to get the *idea.* We will immediately answer, and give the necessary instructions. For this advice we make *no charge.*

We also send, *free* our Hand Book about the Patent Laws, Patents, Caveats, Trade-Marks, their costs, and how procured, with hints for obtaining advances on inventions. Address MUNN & CO., Publishers of the *Scientific American*, 37 Park Row, New York.

Labor Saving **RIDING SAW MACHINE** is fully demonstrated by the number in use and the present demand for them. It saws Logs of any size. **One man can saw more** logs or cord wood in one day and easier than two men can the old way. It will saw a two foot log in three minutes. **Every Farmer needs one.** Township Agents wanted. Send for Illustrated Circular and Terms.
Address W. W. BONTWICK & CO.,
178 Elm St., Cincinnati, O.

NOW IS YOUR TIME TO ADVERTISE.

ADVERTISERS ABROAD AND AT HOME.

We call the special attention of all who desire to make their business widely known over the

PACIFIC COAST,

TO THE COLUMNS OF THE

CALIFORNIA FARMER!

NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best houses* among our business men, and we advertise for none but the BEST, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England; therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows:—All line advertisements will be ONE DOLLARS for Five Lines, or less, Nonpareil, *first insertion*; larger space, *Fifteen Cents per Line*; each subsequent insertion, *Ten Cents per Line.* This offers the best and most reasonable rates, giving as the FARMER does, a wide circulation for its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $50.00.

For one-eighth of a column, three months	$15.00	For one-half of a column, three months	
For one-quarter of a column, three months	30.00	For an entire column, three months	100.00

For a single month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent. extra. It must be specially understood that these rates are invariable—unchangeable, the same rates and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rates.

WARREN & CO., Proprietors,
320 CLAY STREET, SAN FRANCISCO.

COMMISSION
SALES-ROOM,
—AND—
Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our judgment we do our best to suit them

Our charge will be Five per cent., together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of TREES, SEEDS, PLANTS, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and every article furnished for the same.

Any one desirous of having their Gardens look gay thro out the season, can be furnished with the plants at a re able rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high.
LARGE TREES 6 to 8 feet high.
MEDIUM TREES 4 to 5 feet high.
SECOND SIZE 3 to 4 feet high.
THIRD SIZE 2 to 3 feet high.
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large ots. Also

EUCALYPTUS SEED

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine **Patent Bee Hives** of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,
320 Clay Street,
SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Linament for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Linament is needed, as it has been proved to be the best Linament known.

FOR SALE,
Wholesale and Retail,
WARREN & CO.,
320 Clay Street,
AGENTS FOR DAVID CLARKE'S REMEDIALS.

Australia and New Zealand!

IMPORTANT INFORMATION.
Just Received at this Office
CLARKE'S
ILLUSTRATED QUEENSLAND
ANNUAL.

Containing valuable information relative to that great and wealthy section of country, and of importance to our ers and tants, especially to all who do business with that

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, February 12, 1880.

Money and Exchange Tables.

Exc. on England, new style, long and short..	4 83a 4 86
Gold, at par	— 1 00
Silver, at par	— 20 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	10s 2d 10s 9d
Value of Club Wheat in Liverpool	10s 8d a 11s.
Value of Wheat in New York, bushel	1 45 — 1 50
Brewers Barley in New York, bushel	1 00 — 1 10
Wool in New York	25 — 40

MONEY AND EXCHANGE TABLES.

The *Money Market* of our City, and State was never in so peculiar a position before.

The trade and business marts are all more or less touched with an apathy and a dullness that no one can account for. Banks full of *Money*, and Capitalists, with so much idle money that they know not what to do with it, raises very serious questions, in the minds of those who have much at stake just now, for they can make no calculation when a change will come, or how it can come, or where it can come from.

Money is not wanted to build up *Manufactories*, business does not demand them, there are no *grocery Stores*, or business Warehouses, or Stores going up, consequently no demand for all the *Gold* now idle in *Money Vaults*.

The tendency of this is to force idle Capital into U. S. Bonds, and even these are now at the high premium of 6 per cent, so that purchasers lose the *first year and half's interest*, for the premium they pay—and the *Gold leaves our State*, too.

All such operations are fast tending to make our State poorer still, for with the departure of the Gold—go many of our old Capitalists too.

These strange money movements do not tell well for us in California, as is now seen in the many Stores, Warehouses and dwellings, marked everywhere with those ominous word, "To Let."

Money in England, France, Germany, and everywhere is too abundant and too cheap to indicate a good and healthy State of trade. When Money was *5 and 10 per cent. per month* and early days business was good *now*, that it can be had for 4 @ 5 per cent. per annum, business is the same as Dead—but *when*, and *how*, can a change come is easier put than answered satisfactorily.

The rates here are nominal, at the Bank 7 @ 10 per cent at the Savings & Loan Banks 5 @ 10 per cent the lender pay ing the taxes.

Money in Europe as low as 2 @ 3 per cent per anum when *Money* thus goes round begging, business must remain dull.

GRAIN AND FLOUR MARKET

What can we say of the *Grain Market* this week? this we will say, every possible effort has been made to send up the price for the last three weeks, but firm as our markets have been and steady as the prices have ruled, the Markets will not "Boom."

It was supposed that the famine of Ireland must effect the market and cause a large rise in Values. It has kept the markets firm, but with the positive facts that *Chili* and *Australia* both have a large supplus of wheat now being exported, and old European grain ports are sending into London, also. It will be very hard to get the prices up.—

Wheat ranges now from 1,80 to 1,95, we fear that sales that are reported @ 2,00 are not all real, any more than that all Stock sales are real, white wash sales are made often in many things for health's sake, (health of the Speculator.)

The abundance of rain is an Insurance of a Great Harvest for 1880, and Wheat will continue to be planted for a long time yet, and Barley and Oats, also, so that at least 40 per cent more acres will be planted this year the 1880 harvest than 1879.

The *Flour Market* is considerably active in the export department, yet prices of flour of all grades are easier, this to us would *indicate* of sales of wheat to Millers at a lower figure than has been reported.

Oregon is now sending in very liberal supplies, this affects our market.

The *Barley market* has improved, demand for shipments better with prices in favor of buyer.

Oats are without demand of any note. *Corn* is more active. *Rye* and *Buckwheat*, but little demand or sale.

The *market for Feed Grains*, considerable change in prices and no very active demand. The *Hay market* is specially dull. Some shipments abroad.

The *Hop market* is now cleared out and quiet reigns.

The *Honey market* received more supplies, prices a shade lower. Choice white honey is over in the market.

—*Beeswax*, good stock, small sales.

The *Bean market* is very quiet, and prices easier.—Beans are shipped to China and Japan and to Europe as well as Australia and other places. It is one of our steady articles of exports, and pays the grower well.

The *Potato market* price better, the quantity received grown less, and they bring better rates—See our market table. *Onions*: few in market and prices higher.

The Markets have altered but little, so we *repeat* some items where there is no alterations needed.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 75 — 1 80
do Choice do.	1 85 — 1 95
do Milling do.	1 97½ — 2 00
Barley, per 100 lbs., feed	70 — 75
Barley, for brewing, (Chevalier)	1 85 — 1 75
Rye	1 10 — 1 20
Oats, California, per 100 lbs.	1 15 — 1 50
Corn, do. do.	90 — 1 05
Flour, Superfine, per bbl	4 00 — 4 25
do Extra	5 00 — 5 50
Extra Flour for Shipping	5 25 — 5 50
Very Extra Family Flour	6 00 — 6 25
Oregon Superfine	4 00 — 4 25
do Extra for Shipping	5 25 — 5 50
Corn Meal per 100 lbs	2 00 — 2 25
Buckwheat per do	1 50 — 1 60
Bran per ton	13 00 —16 00
Middlings per ton	20 00 —22 00
Ground Barley	17 00 — 18 00
Oil Cake Meal, for feed, per ton	—31 00
Beans, per 100 lbs, various	1 25 — 1 50
Beans, Lima	6 00 — 6 50
Potatoes, common	25 — 30
Potatoes, choice	50 — 75
Early Rose	30 — 40
Sweet Potatoes	1 40 — 1 50
Onions, new	1 40 — 1 65
Hay per ton, ordinary	7 00 — 9 00
Hay per ton, extra	10 00 —11 00
Wheat Hay	11 00 —13 00
Alfalfa Hay	—
Straw per ton	4 00 — 5 00

Retail Prices in the Fruit Market.

Our *Fruit market* shows well, even amid the cold rain, the frost, and also the ice, which has been more severe than we Californians are accustomed are to.

At present we have fine apples and a few fine winter pears. With a full supply of Nuts, Raisins, Figs, and a choice lot of our California Oranges, Lemons, Limes, etc. although "Jack Frost" was rather severe on our "Orange Groves" in our Southern Counties, as well as all over our State. Some injury in many places, but they will recover.

Apples, per box	75 — 1 50
do. do. lb	6 — 6
Pears, per box	1 25 — 2 00
" per lb	6 — 8
Figs, dried, per lb.	12 — 10
Australian Oranges, per doz	50 — 50
Tahiti Oranges " "	20 — 30
" Lemons, " "	20 — 30
Lemons, imported,	20 — 30
Limes, do. do.	20 — 25
Pine Apples, each	50 — 1 00
Bananas, per bunch	2 50 — 4 00
California Oranges, per dozen	50 — 1 00
" Lemons, "	30 — 50
" Limes, "	15 — 25
California Walnuts, per pound	8 — 12
Almonds, hard shell, per pound	12 — 15
do. soft shell, do.	10 — 18
Foreign Pecan Nuts	12 — 15
Madeira Nuts	12 — 25
Foreign Brazil Nuts	15 — 20
Filberts	12 — 16
Chili Walnuts	7 — 10
Italian Chestnuts	— 62
American "	— 20
Pea Nuts	8 — 10

Retail Price in the Vegetable Market.

The display in our *Vegetable market* is enough to satisfy all our housewives, for they can find all they wish and at a very low price too.—Our markets are full of good things.

Asparagus	— —
Artichokes, (French) per doz	10 — 15
Tomatoes, per lb	— —
Beets, per doz	— 25
Broccoli, each	8 — 10
Cauliflower	8 — 10
Cabbage, do.	8 — 10
Carrots, per doz	— 25
Celery do.	75 — 1 00
Celery Root per dozen	10 — 12
Cress, per dozen bunches	60 — 80
Cranberries, per gallon	30 — 40
Dried Herbs, per doz	— —
Green Peas, per lb	10 — 12
Lettuce per doz. bunches	5 — 6
Onions per lb	10 — 12
Horseradish, per lb	— —
Okra, green, per lb	— 50
Okra, dried, per lb	14 — —
Chilies Potatoes	2 — 3
New Potatoes	1 00 — 1 50
Potatoes choice, per 100 lbs	2 — 3
Kidney Potatoes, per lb	1½ — 3
Pumpkins	— 15
Parsnips, per doz. bunches	— 15
Salsify, do. do.	15 — 20
Parsley, do. do	40 — 60
Pickles, per gallon	— —
Radishes per doz. bunches	— 8
Rhubarb, per lb	— —
Squash, Marrowfat	2 — 3
do. Hubbard	5 — 10
Lima, Dry	5 — 6
String Beans, per lb.	6 — 8
Sprange per lb	4 — 5
Salsify, per bunch	— 15
Turnips, per doz	— 10
Garlic	15 — 20
Eschalot	12 — 15
Mushrooms	— —

Fish Market.

The *Fish market* offers a great variety of every kind that any taste may crave.

Salmon ₱ lb	5 — 10
do smoked now	6 — 5
do pickled, ₱ lb	6 — 10
Lake Bigler Trout each	15 — 20
Lake Bigler Trout, extra	20 — 25
Halibut	20 — 25
Smelts, per lb	— — 10
Perch do.	— — 10
Rockfish do.	— — 10
Codfish, dry, per lb	— — 10
Herring, fresh, per lb.	— — 5
do smoked, ₱ doz	— — 25
Tomcod, per lb	— — 12
Sardines, fresh, per lb	— — 10
Sokaikh, per lb	15 — 20
Mackerel pickled, each	— — 25
Shrimps, per lb	8 — 10
Flounders do.	12 — 15
Sea Bass do.	15 — 20
Halibut do.	20 — 25
Sturgeon do.	2 — 4
Tuibut do.	25 — 30
Terrapin, ₱ doz	2 50 — 3 00
Pompono do.	— — 2 50
King Fish do.	— — 25
Anchovies do.	12 — 15
Progy, per doz	2 00 — 2 50

Shell Fish.

The *Shell Fish market* now gives to the epicure all he may crave. As fine *Bivalves* in our markets as in any market in the Eastern Cities.

Oysters ₱ 100 choice	60 — 75
Chesapeake oysters per dozen	50 — 75
Crow Fish, per lb	12 — 15
Clams per 100	— — 50
Mussels do	— — 25
Crabs, boiled, each	— — 25
do. soft, per doz	— — 50

Retail Meat Market.

The *Retail Meat markets* shows a well supplied market and complete as any Meat Market in our Union.

Porter House	15 — 15
Porter House, extra	18 — 20
Beef, tenderloin, per lb	15 — 18
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	5 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	8 — 10
do leg	8 — 10
Lamb, per lb., extra	10 — 15
Lamb, usual	6 — 8
Beef tongues, each	— — 75
Pigs tongues, each	— — 15
Bacon, California, salt per lb	12 — 14
do do smoked	12 — 13
do do sugar cured	15 — 16
Hams, California	15 — 15
Choice hams, Duffield	15 — 16
Whitaker, St. Louis, Mo	15 — 16

Poultry and Game Market.

The *Poultry Market* is less supplied and the demand keeps up with it so as to make prices steady.

Game of all kinds is very abundant, and prices low enough to satisfy the closest purchaser no person need go hungry now with our markets so full, and prices so reasonable.

RETAIL PRICES.

Ducks tame each	75 — 90
Geese tame, per pair	2 00 — 2 50
Broilers	40 — 50
Large Chickens, each	75 — 87
Hens, each	87½ — 1 00
Turkeys, dressed, per lb	18 — 18
Pigeons, domestic, per doz	4 00 — 4 50
Quail, per doz	1 50 — 2 00
Hares each	25 — 38
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Venison	10 — 15

Poultry and Game—Wholesale.

Broilers, per doz	3 50 — 4 00
Large Chickens, per doz	5 00 — 6 50
Hens, per doz	6 00 — 7 50
Turkeys, dressed, per lb.	14 — 15
Ducks, tame, per doz	5 50 — 7 00
Quail, pe. doz	75 — 1 00
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Rabbits, tame, per doz	1 50 — 1 75
Squirrels, per doz	75 — 1 00
Venison	5 — 8

Retail Dairy Market.

The *Dairy market* is so fully supplied that prices have fallen and Home Stock and Foreign are all lower in price as will be seen by our quotations.

Home made *butter*, our Fresh roll butter is good, but packed butter there is to much of it poor—while the Eastern butter most of it is not fit to eat, latest importations better.

California *Cheese* is scarce and price advanced.

Eggs are coming in so freely that prices have fallen 30 per cent in a few weeks, and now selling cheap.

Butter, California, Extra Choice per lb	25 — 30
do. do. for (Cooking) do	20 — 25
do. do. packed best roll	— — —
do. do. Eastern	20 — 25
California Eggs, per doz	25 — 30
Oregon	20 — 25
Duck Eggs, do	20 — 25
Cheese per lb	15 — 20
do. Sage, per lb	25 — 30
Eastern Cheese, do.	25 — 30
Lard, California, per lb.	12 — 15
Lard, Eastern, do.	13 — 15
Honey, Comb	10 — 14
do. Strained	10 — 12
Vermont Maple Sugar, per lb	20 — 25

Dairy Produce, Eggs, etc.—Wholesale

Butter, California, per lb. (Fresh)	30 — 25
do. Packed Roll, do.	— — —
Eastern Butter	16 — 18
Cheese, California, per lb	10 — 12
California Eggs, per doz	20 — 22
Eastern Eggs, per doz	16 — 18
Duck Eggs, "	20 — 23
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	13 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging Market* is very quiet now, but hoping for high prices next season, the present is over—the enormous area of land that will be planted with grain this year induces a belief that the amount of *twenty eight or thirty million* sacks will be wanted for the harvest of 1880, gives a good assurance of higher rates for burl, which now rules at 10½ @ 10¾. One thing is very certain the great abundance of rain gives a goodly assurance now of a great harvest in 1880.

Hand Sewed Bags, Standard, 22 x 36 cm. prices	10 — 10½ cts
Second Hand, Extra	8½ — 9 do
Machine Sewed, 22 x 36	— 8½ do
do do 20 x 30	— —
Barley Bags, 22 x 40	10½ — 11 do
" " 24 x 36	11 — 11½ do
" " second hand	— 8½ do
Wool-sacks, new	45 — 55 do
do second hand	30 — 40 do
Potatoe Gunnies, double sewed	17½ — 14 do
do. do. Second Hand	10 — 10½ do
Flour Bags, quarters	4½ — 5 do
do, half, six qualities	7 — 9 do

Staple Home Products.

Our *Home Products*. The large and increasing amount of our Raisins (the famed raisins of R. B. Blower that excel all the imported,) together with our dried and preserved fruits, nuts, almonds, oranges, lemons, and figs, that are shipped abroad, give assurance that the Golden State will soon drive all foreign fruit of this kind out of the market, for we can grow and produce these articles better and cheaper than any nation of earth.

Flax Seed, per lb	2½ — 0
Hemp Seed, per lb	0 — 3
Castor Beans, per lb	3 — 30
Castor Oil No 1 Diamond in cases, per gallon	— 1 00
" " " barrels "	— 1 37
Castor Oil, No. 2 Diamond in cases per gallon	— 95
" " " barrels "	— 1 00
Linseed Oil, Boiled	— 95
do. Raw	— 75
Cocoa Oil	7 — 10
Hops, California	5½ — 30
Hops, new	5 — 10
Alfalfa	5 — 7
Timothy seed	2 — 2½
Mustard Seed	3½ — 4
English do	4 — 5
Canary Seed	3 — 10
Coriander Seed	3 — 5
Broom Corn	21 — 25
Bees Wax	— —

California Leather Market Report.

The *Market* for *Leather*, *Hide* and *Tallow* are all quite active with full prices, and a turn upward. Hany change, tallow is the least active.

California Sole Leather	23 — 22
do. Harness do.	23 — 30
do. Skirtings,	33 — 37½
Bridle Leather	41 — 0½
Rough do. Oak Tanned	18 — 22
Waxed Calf Skins	50 — 1 00
do. Kips do. per dozen	30 00 —55 00
do. Leather per foot	13 — 15

Wool, Tallow, Hides, Etc.

The *Wool Market* has a quiet time. Our New York Boston, and Philidelphia reports all speak of good demand, and high rates in product when the Spring clip comes.

The wool and sheep interest have greatly improved in the last six or eight months, and sheep that were sold at 50 cents per head or given away, are now worth $2,00 to $3,00 each.

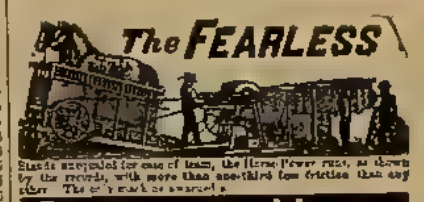
Better times coming, Sheepmen!

Wool, Spring Clip, to come, offered	30 — 5
do. Choice Extra	30 — 40
Fall Clip	25 — 30
Oregon Wool, per lb	28 — 30
Eastern Oregon	17 — 19
Medium, bright	15 — 15
do Burry	30 — 75
Goats' Wool (mohair)	18 — 20
Dry Hides, per lb	8 — 9
Green Salted, per lb	50 — 90
Deer Skins	25 — 75
Sheep Skins, wool on	1 50 — 5 00
do. do. plain per dozen	50 — 1 00
Goat Skins, each	5 — 5½
Tallow various grades	7 — 8
Tallow, refined	

Average Slaughtering Prices.

The *Wholesale Cattle Market* has improved lately in the quantity and quality offered in market—prices have taken a higher rate for *Choice Beef* and *Calves* are scarce and higher. *Lamb* is higher. *Mutton* steady. *Hogs* on hoof, and dressed, are both higher.

Beef, American, 1st. quality	6 — 7 cts.
do. do. 2d. do.	5 — 6 do.
do. do 3d. do.	4 — 5 do.
Veal	6 — 8 do
Mutton	4 — 6 do
Lamb (Spring)	12 — 15 do
Pork, Undressed	3½ — 4 do.
do. Dressed	5 — 5½ do.



Stands unequaled for ease of draft, the Horse Power rated, as shown by the records, with more than one-third less friction than any other. The only mower so awarded.

CENTENNIAL MEDAL

on both Horse Power and Thresher and Cleaner, at the Centennial Exhibition, as shown by Official Report, which says: "For special features in the Power to secure light running and minimum friction. For the ingenious form of the Straw Shaker, which insures the proper agitation to separate the grain from the straw." For Catalogue, Price List, and full report of trial, address

MINARD HARDER, Cobleskill, Schoharie Co., N. Y.

49:21 1m

Sydney International Exhibition.

ROUND THE WORLD TICKETS.

THE PACIFIC MAIL STEAMSHIP COMP'Y

Will issue **Round the World Tickets**, giving first-class accommodations for the entire route, at the low price of **$360**. For particulars apply to

WILLIAMS, DIMOND & CO.,
General Agents,
Corner First and Brannan Streets.

49:15

Central Pacific Railroad.

Notice to Shippers.

Please take notice that this Company will maintain, for transaction of business in Oakland, TWO STATIONS, viz.

MARKET STREET AND SIXTEENTH STREET

and to avoid delays we would request shippers to state on receipt, name of station to which freight should be delivered; as in the absence of same all consignments will be taken to Market Street.

J. A. ANTHONY,
Agent.

SAN FRANCISCO, Jan 13, 1879.

BOOK OF POLITENESS

and list of 1600 pieces of new sheet music, full size at half price, 10 cents, postpaid. J. HEISLEY, Freehold, N. J.

49:3

Will it Bite?

Try and See! 10 cents and stamp fetches the "Critter." It will make you laugh. Remember it is only 10 cents, and 1 stamp. Box 430, Sandwich, Illinois. Mention this paper.

49:16

50 FINE MIXED CARDS, with name, 10c. Agents wanted. Outfits 10c. Mention this paper, and address, JOHN H. MARTINIS, Sandwich, Ill.

49

C. P. R. R.

OVERLAND TICKET OFFICE,
Oakland Ferry—Foot of Market street,
COMMENCING

SUNDAY, DEC. 28th, 1879,

AND UNTIL FURTHER NOTICE,

TRAINS AND BOATS WILL LEAVE

SAN FRANCISCO.

7:30 A. M., Daily—Local Passenger Train via Oakland, Niles, Livermore and Stockton, arriving at Sacramento at 1.40 P.M., and connecting with Atlantic Express. Connects at Niles with trains arriving at San Jose at 10:30 A. M., and at Galt with train for Ione.

7:30 A. M., Daily—Local Passenger Train via Oakland to Martinez and Antioch. Connects at Vallejo Junction for Vallejo, Napa (Stages for Sonoma,) St. Helena, (White Sulphur Springs) and Calistoga and (Stages for Geysers.) Sunday Excursion Tickets, at Reduced Rates, to San Pablo Vallejo, Benicia and Martinez.

9:30 A. M., Daily, Atlantic Express Train via Oakland and Benicia for Sacramento, Colfax, Reno, (Virginia City,) Battle Mountain, (Austin,) Palisade (Eureka,) Ogden, Omaha and East. Connects at Davis, Sundays excepted, for Woodland, Williams and Willows. Connects at Sacramento daily with the Oregon Express for Marysville, Chico, Red Bluff and Redding (Stages for Portland, Oregon.)

10:00 A. M. Daily, Local Passenger Train via Oakland, to Haywards and Niles.

3:00 P. M., Daily Local Passenger Train, via Oakland and Niles, arriving at San Jose at 5:25 P. M.

3:00 P. M., Daily Local Passenger Train via Oakland for Martinez and Antioch.

4.00 P. M., Daily Atlantic Express via Oakland and Martinez for Lathrop (and Stockton,) Merced, Madera, (Yosemite and Big Trees,) Visalia, Sumner, Mojave, Newhall (San Buenaventura and Santa Barbara,) Los Angeles, Santa Monica, Wilmington, Santa Ana, (San Diego,) Colton and Yuma (Colorado River Steamers,) connecting direct with Daily Trains of the southern Pacific Railroad of Arizona for Maricopa (Stages for Phœnix and Prescott,) and for Casa Grande, 182 miles east for Fort Yuma, (Stages from Florence Tucson and Tombstone.) Sleeping cars between Oakland, Los Angeles and Yuma.

Connects, Sundays excepted at Vallejo Junction for Vallejo Napa, St Helena and Calistoga.

4:00 P. M., Sundays excepted—Sacramento Steamer from (Washington-street Wharf), for Benecia and Landings on the Sacramento River.

4:00 P. M. Daily Through, Third Class Train, via Oakland, Martinez and Lathrop for Los Angeles and points to Arizona.

4:30 P. M. Daily Local Passenger Train via Oakland and Benicia, for Sacramento. Connects daily, except Sundays, at Davis with Local train for Woodland and Knight's Landing and at Sacramento with the "Virginia Express" for Reno, Carson, and Virginia. Sleeping Cars (except Sundays) Oakland to Carson.

4:30 P. M. Daily Local Passenger Train via Oakland for Haywards, Niles, and Livermore.

Public Conveyances for Mills Seminary connects at Seminary Park Station with 5th Trains, Sundays excepted.

5:00 P. M. Daily Overland Emigrant Train via Oakland Benicia, and Sacramento, for Ogden, Omaha and the East.

Connections for Vallejo made at Vallejo Junction from Trains leaving San Francisco 7:30 A. M., 9:30 A. M., 3:00 P. M., 4:00 P. M., and 4.30 P. M.

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND

"Daily"—6:10, 7:00, 7:30, 8:00, 8:30, 9:00, 9:30 10:00, 10:30, 11:00, 11:30, 12:00, A. M., 12:30, 1:00, 1:30, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00 6:30, 7:00, 8:10, 9:20 10:30, P. M.

"Daily, except Sundays"—6:10 A. M and 11 45 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7:00, 8:00, 9:00 10:00, 11:00, 12:00 A. M., 1:30, 2:00, 3:00, 4:00, 5:00, 6:00, 7:00, 8:10, 10:30, 11,45 P. M.

"Sundays excepted, "—3:00, 7:00, 8.10, 11 45 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 10:00 A. M.; 5:00 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—6:10, 7:30, 8:30, 9:30, 10:30, 11:30, A. M. 12:30, 1:00, 3:30, 4:30, 5:30, 6:30, 7:00, 8.10, 9:20, 10:30, 11 45P. M.

"Daily, except Sunday"—6:10, A. M. and 11:45 P. M.

FROM SAN FRANCISCO TO NILES.

"Daily"—7:30, 10:00, A. M. 3:00, 4:30 P. M.

FROM SAN FRANCISCO TO SAN JOSE.

"Daily" 7:30 A. M. 3:00 P. M

FROM SAN FRANCISCO TO BERKELEY.

"Daily"—7:30, 9:30, 9:30, 10:30, 11:30 A. M. 1:00, 3:00, 4:00, 5:00, 6:00, 6:30 P. M.

FROM SAN FRANCISCO TO DELAWARE ST.

"Daily"—6:10, 8:00, 10:00, 12:00 A. M. 1:30, 2:30 3:30, 4:30, 5:25, 6:30 P. M

"Sundays excepted," 6:10 A. M. 6:30 P. M.

Change Cars at West Oakland.

FROM DELAWARE ST. TO SAN FRANCISCO.

"Daily"—5:40, 6:20, 8:00, 10:00 12:00 A. M. 1:30, 3:30 4:30, 5:30, 6:30 P. M.

"Sundays excepted," 6:40 6:30 A. M. 6:30 P. M.

FROM BERKELEY TO SAN FRANCISCO.

"Daily"—5:40, 6:30, 7:30, 8:30, 9:30, 10,30, 11.30 A. M. 1:00, 3:00, 4:00, 5:30 6:00 P. M.

Change Cars at West Oakland.

FROM SAN JOSE TO SAN FRANCISCO

"Daily"—7 10, A. M. 1 30, P. M

FROM NILES TO SAN FRANCISCO.

"Daily" 7:00, 8:00, A. M. 2 25, 3.51 P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily"—5 10, 5.50, 6 40, 7 48, 8:40, 9:40, 10:40 A. M. 12:40, 1.25, 2 40, 4 40, 5 40, 6:40, 7 50 9:00 10 10 P. M

"Daily, except Sundays"—5.10 and 5.50.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily except Sundays"—8:00, 10:00, 11:00 A. M., 6:00 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—5:00, 5:40, 6:25, 7:00, 8:03, 9:00, 10:03, 11:03, 12:00 A. M.; 1:00, 3:00, 3:20, 4:00, 5:00, 6:03, 7:20, 8:30, 10:00 P. M.

"Daily, except Sundays"—5:00, 5:40, A. M., 7:20, 8:30 P. M. Alameda Passengers change cars at Oakland.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—5:20, 6:00, 6:50, 7:20, 7:50, 8:25, 8:50, 9:20, 9:50, 10:20, 10:50 11:20, 11:50 A. M.; 12:20, 12:50, 1:20, 1:50, 2:50, 3:20, 3:50, 4:20, 4:50, 5:20, 5:50, 6:25, 6:50, 8:00, 9:10 10:20 P. M.

"Daily, except Sundays"—5:20, 6:00, A. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

WINTER ARRANGEMENT.

Commencing Friday, Nov 21, 1879,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows

8.30 A. M., *Daily* for San Jose and Way Stations. ☞Stages for Pescadero (via San Mateo) connect with this train only.

10.30 A. M. *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Castroville, Monterey, Salinas, Soledad, and all Way Stations.

☞AT PAJARO the SANTA CRUZ, R. R. connects with this train for Aptos, Soquel and Santa Cruz. At CASTROVILLE change cars for Monterey. ☞Stage connections made with this train (Pescadero Stages via San Mateo excepted.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, and principal Way Stations.

4.30 P. M. *Daily Sundays excepted* for San Jose and Way Stations.

6.30 P. M. *Daily* for Menlo Park and Way Stations.

☞The *extra Sunday trains* to San Jose and Way Stations have been discontinued for the Winter Season.

SECOND-CLASS FARE.

Between San Francisco and San Jose, - - $1.00

☞On Freight Trains only, leaving *San Francisco* at 4 00 A. M., and *San Jose* at 8 30 P. M (daily Sundays excepted)

☞Principal Ticket Office Passenger Depot, Townsend Street. Branch Ticket Office No 2 New Montgomery Street, Palace Hotel.

A. C. BASSETT, Superintendent.
H. R. JUDAH, Ass't Passenger and Ticket Agent.

1854. 1880.

THE

CALIFORNIA FARMER

FOR 1880.

THE FARMER is the oldest and only *exclusive* AGRICULTURAL JOURNAL devoted to this cause on the Pacific Coast.

It was established in 1854, and was the PIONEER HERALD of the AGRICULTURAL and HORTICULTURAL interests and enterprises on the Pacific Coast; this is no vain boast, but the simple truth.

The proprietors of the CALIFORNIA FARMER established and conducted the FIRST GRAND FAIR ever held on the Coast—this was at Sacramento in the year of 1854, and also the GRAND FAIR at San Francisco in 1855—both these Agricultural Fairs were planned, maintained, and conducted successfully as an INDIVIDUAL enterprise to promote the cause of agriculture on the Pacific Coast, in those early days, and at individual cost, by Warren & Co.

THE CALIFORNIA FARMER was the first and only advocate of SILK CULTURE, TEA CULTURE, COFFEE CULTURE, COTTON CULTURE, and the earnest advocate of ORANGE CULTURE, and of all the TROPICAL FRUITS and this was in early years when the masses slightly esteemed all such enterprises.

THE CALIFORNIA FARMER was the first and only advocate for the planting of the ALFALFA plant, and the first to introduce the seed and its culture and not only this grass, but all other valuable grains and grass plants now cultivated.

THE CALIFORNIA FARMER was the first and only JOURNAL that advocated the cause of BLUE STONING WHEAT, of SUMMER FALLOW, of SUBSOILING, and of DEEP PLOWING, and the only advocate for years of EARLY SOWING OF GRAIN IN DRY SOIL—doctrines that have now, after long years of trial become the basis of true and successful culture.

THE

California Farmer

Now addresses itself to the TRUE FRIENDS of progressive agriculture, and only claims that just share of attention and patronage its long years of labor in the NOBLE CAUSE OF AGRICULTURE, which such years of labor merit, and JOURNAL sends out NO AGENTS, NO RUNNERS, and only addresses itself to the real friends of this NOBLE SCIENCE, and claims their voluntary and generous co-operation in this work.

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CALIFORNIA FARMER AND JOURNAL OF USEFUL SCIENCES.

VOL. XLIX. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, FEBRUARY 26, 1880. NO. 24

The California Farmer.

—AND—

JOURNAL OF USEFUL SCIENCES.

Published every Thursday Evening

BY WARREN & CO.

No. 320 Clay St., (up Stairs) Below Battery,

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All Letters on Editorial Matters to be addressed to COL. WARREN, Editor.

☞ All Letters on Business connected with the Office should [illegible]

WARREN & CO., Publishers.

EUROPEAN.

From our Special Correspondent.

[CONCLUDED].

PARIS, January 1st, 1880.

VALUE OF LIVE STOCK.

All agricultural produce, save live stock, is sold either by weight or measure; the price of cattle is the subject of mutual debate, where the most knowing succeeds. Now between the price which an animal is sold at for the slaughter-house, and that demanded for the carcass, in the butcher's stall, there is a difference of 100 per cent. Many Agriculturists are highly satisfied with their new plan, and which consists in discussing, not the total value of a beast, but its price per pound; this agreed upon, the animal is weighed, and the account settled satisfactorily.

BUTTER MAKING.

Denmark is a powerful rival with Normandy and Britanny, in the manufacture of butter; the former country pays more care to its preparation, though it never can be so rich, or possess naturally so delicate a bonquet as that obtained from the fat pasture lands of France. When formed, the Danish Dairymaids knead the butter in quantities of two lbs each, against the *side* of a wooden tub, first by the hand; these morsels are ranged on a board along side, salt being shaken between each layer; the layers are afterwards cut cross ways into pieces of three pounds each, kneading a dozen times with the hands joined against the bottom of the tub, to well mix up the salt. The final kneading, but never with the hand, is made on a board where it reposes some time to allow the salt to mix with any milk remaining. Then it is placed in firkins, each containing the result of one churning. In Summer the tub is fitted inside an iron case, the latter is then placed in contact with water, or let down a certain depth into a well to cool.

A NEW PLANT.

Attention is being directed to a new leguminous plant, *Soja Hispida*, common to China, Japan and Judea; it is very productive, and its seeds can be eaten either green, half-matured, or dried. M. Lavalle finds it resembles haricots, and in addition to yielding abundantly, is capable of resisting drought. At Proskau, in Germany, two sheep were fed on the shells and the cut straw of *soja* exclusively, and which they relish. In nutritive qualities, the *Soja* stems are ranked as equal to average meadow hay.

FEED OF STOCK.

Professor Gerard, of the Veterinary School of Cureghem, has been consulted as to the effects of beet pulp on cows and heifers in calf, as commonly prepared, the pulp of beet from a distillery is more nutritive than that from a sugar factory, save when the latter pulp is prepared by the *diffusion* process, in this case it is richer in nitrogen, and if freed from its excess of water, would be very valuable. Pulp ought never to be musty or altered, and should never constitute the sole diet for stock; it is not sufficiently rich in protein matters, in any case it is better suited for fattening purposes, than for milch cows or working bullocks. Mixed with cotton seed cake, pulp can be safely employed; not more than half the rations for cows, and two-thirds for meat cattle ought to consist of pulp; otherwise cows may slip their calves and stock have a chronic diarrhœa.

REMEDY FOR GRUBS.

A. M. Legarde states that he finds buckwheat a capital remedy for getting rid of noxious grubs; in Spring, when no frost is to be feared, he sows it thickly; it grows rapidly, and when in flower he plows it down, in narrow furrows; he imagines the grubs dislike the potash which the plant contains in notable quantities.

STOCK BREEDING.

During the year 1878, the stallions belonging to the Government Studs of this country produced a sum of fr. 763, 573 for serving mares; each entire covered on an average 59 mares. For the information of implement manufacturers, there will be twelve regional shows this year in France, The first commencing in May, and the last at the close of August. These are capital opportunities for any foreigner to introduce agricultural novelties.

AGRICULTURAL SCHOOLS.

The French Government intends to introduce some serious modification in the Agricultural Schools, in order to make them more practically useful. They are too dear. The experiment will be tried as in Bavaria, where an agricultural, mining and trades school form one establishment, and all pupils can attend free, a certain number of boarding-houses being registered at fixed prices; also, music will likely be encouraged, and the planting of road ways with fruit trees instead of poplars, elms &c., nor will the text books be forgotten; they will have a less scientific character and will familiarize the young with the rearing of and caring of farm animals. In a word the instructions will be utilitarian.

WASHINGTON.

From our Special Correspondent.

WASHINGTON, D. C., February 3d, 1880

COL. WARREN—*Dear Sir.*

I believe I gave you some account of the meeting of the National Agricultural Society here some time ago. Mr. Merryman who was chosen President, has now memorialized Congress to incorporate the Society so as to improve its usefulness, and a bill has been agreed upon in Committee for that purpose. It provides that the capital of the society may be $250,000, that it may hold fairs and offer premiums, and do other things to promote the interests of agriculture.

This is a very important movement, and looks like a strong effort for practical work in a direction much needed by the largest industrial interests in this countr

Secretary Sherman takes pride in showing that he has reduced the National debt $2,000,000, during his term. To day, in his debt statement, he comes within $784,000 of it, and this amount he expects to wipe out this month. The reduction of over $11,000,000 for January is the largest monthly reduction since 1872. The Revenues of the Government have been constantly increasing, especially from Customs. The Internal Revenue receipts for the last six months of the year were $3,000,000 in excess for the corresponding period of 1878, and the custom receipts in the same time were increased $16,000,000.

Parnell, the Irish agitator, made a speech last night in the House of Representatives, in aid of the Irish relief fund. It is wonderful how the politicians flock to Parnell's standard. It is a movement of demagogues, who are afraid that any apparent opposition to anything Irish, will affect the popular vote next Fall. Nevertheless the relief fund here is quite large.

The dismissal of Commissioner Hayt, of the Indian Bureau is proof of what I have before written, that there has been not only mismanagement but dishonesty in the Interior Department. The exposure is a very bad one. It is thought that Commissioner Bentley, of the Pension Bureau will have to go next. He has mismanaged that Bureau long enough. Secretary Schurtz has successfully protected his pets thus far, but cannot shield them forever.

Nearly all the Supervisors of the Census have been promptly confirmed by the Senate, and it is believed that the President and Senators can amically arrange the rest. When perfected the list will be a good one. The Census Bureau here is assuming a busy aspect.

If we cannot have local self government, the Republicans of this District at least, are determined to have a voice in making the nomination for President. They are indulging in a timely strife for delegates to the Chicago Convention. It is believed that Senator Blaine is ahead in the race.

MERRILL.

SENATE AND ASSEMBLY CHAMBER.—We are very much indebted to the Sergeant at arms of the Assembly and the Enrolling Clark of the Senate for valuable documents, thanks— thanks for them

A FARMING PICTURE.

A KID GLOVE FARM ASSISTANT.

OUR ILLUSTRATION.

A man goes into the country to establish a home, or a farm, or a garden, on a range of beautiful landscape about him, and, ten to one, he pitches into the business "neck and heels" He matures no well-considered plan of operations; he buys a lot of nursery stuff, which he finds going cheap; he plants where the ground happens to be soft; he digs up an old bit of garden, because it has been a garden; he plants his row of trees along the street, because an opposite neighbor has; he puts an acre or two to corn, because his teamster says "he'd better;" and after such higgledy-piggledy style of operations, is surprised that a year's work, or two years' work, are not fruitful of any large results.

A good farmer or a good nurseryman must live and work by system, or they will work out no permanent triumphs—all which is a most patent and commonplace truth.

In the above Illustration we see a good, honest looking, simple minded working farmer, who knows but little of the science of farming as is shown by the conversation which we give herewith, as a pretended expert farmer (?) calls on him seeking employment.

"I am informed sir, that you desire to obtain the assistance of an experienced person in your agricultural labors; if so, I am willing to engage for that purpose for a term of months."

Farmer.—"Law no! I only want to hire a man to work on the farm."

The picture above truly represents many persons who pretend to be scientific farmers and gardeners, who attempt to impose upon the simple minded or the uneducated, and their failure to accomplish any good brings reproach upon the true science and labors of the honest farmer.

"Nothing has contributed so strongly to create that distrust of rural economy, which city gentlemen currently entertain, as that helter-skelter botching of labor, and hand-to-mouth practice, which city gentlemen are apt to transport to their country homes."

VETERINARY SCIENCE:

The Explanatory Stock Doctor.

Humanity to animals is a great virtue, *for a merciful man is merciful to all his animals*, and this doctrine of mercy should be taught by Parents to all children, and yet it is too often seen that the children of stock raisers are very cruel to the animals under their care.

When *Human* beings are ill, and suffering from wounds, or disease of any kind, *they can speak*, they can point out where their suffering is, and soon find relief—but the Dumb Animals can only testify of their sufferings by signs or by wild cries, and humanity demands that as prompt relief as is possible should be given.

THE VETERINARY SCIENCE

has now unfolded a way by which all classes of the Brute creation can be studied, and their diseases known, and a remedy applied. By this science valuable animals can be saved and great pecuniary loss often avoided.

THE GREAT STOCK DOCTOR.

We have received a very valuable work of nearly 750 pages bearing the name we give at the head of this article. "VETERINARY SCIENCE" or NAVIN'S EXPLANATORY STOCK DOCTOR, one of the very best works of this kind ever published.

The Book before us has so many excellent departments that we should call it a *complete Encyclopedia of Veterinary Knowledge*: in our first look and brief review, we find it talks in simple plain words about diseases of Stock, and points out and explains the meaning of the terms used in diseases, as plainly as *Webster's Dictionary* tells the meaning of words.

This book gives the symptoms of all the diseases of all animals, of Horses, Cattle, Sheep, Swine and Poultry, and then like a good Physician tells the medicine needed and the quantity, and how to apply it. This book is full of excellent and reliable teachings, and is well illustrated with plates of various animals. A book like this is a book long needed, thousands of copies have been sold in the Eastern States three editions already sold, and a new one is being issued.

Every Stock Raiser should see this book, and should have it in their Library for their own use and for their children. We are glad to see, and to commend so good a work.

JOHN NICHOLSON NAVIN Esq., V. S. is the Author of this work. His *literary* is seen on the Title Page, and his teachings speak Scientific truths on every page.

A copy of the book can be seen at the Library of the California FARMER Office.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the *information of their Wants.*

INSURANCE THE ARK OF SAFETY.

Now while business is much depressed and losses many are occuring to our business men everywhere, it is the part of wisdom of every business house and every manufacturer and every man of family to be sure that what property he has shall be well and safely protected from the ravages of that element FIRE, that knows no mercy for rich or poor.

To be well and SAFELY INSURED, is therefore one of the first and most important duties the merchant, Manufacturer, Mechanic and every man of family owes to himself and his family, to see that what property he has is always *shielded* by a good INSURANCE POLICY, then when the enemy *fire* comes he can rely upon that Policy, as his "Ark of Safety" that will save him from ruin, for that document as he looks upon it, he feels as strong as a *Lion*, as gay as a *Bird* for *his shield* will save him.

We take pleasure in directing the attention of all who would be safe, to the LONDON AND LANCASHIRE INSURANCE Co.s *Special Card* in our columns.

The Manager G. W. Spencer Esq. is widely known as a gentleman well versed in Insurance knowlege, who will be glad to give the *shield* of his company and their large capital to all who seek *safety* from Fire.

Mr. Staples the special Manager and Adjuster, was attached to the "Old Hartford", but now with THIS COMPANY only. His many friends know his ability in this interest, and will gladly turn their good will and business to him in this companies interests. The *name* of Balfour, Guthrie & Co. is a strong guarantee also, independent of the solid capital advertised by this Company.

THE CALIFORNIAN.

The March number of this new candidate for public favor came to hand in advance of its time, and we are very glad to note its steady onward march of improvement, not only in its typographical appearance but in its solid matter from numerous contributors This we see is the actual proof that there is a determination to make the CALIFORNIAN a success.

The March number has fourteen contributors in History, Story, Prose and Poetic contributions, all of a valuable and interesting character——may success continue to crown the enterprise.

AUSTRALIA.

OUR REGULAR CORRESPONDENT.

SYDNEY, January 28th, 1880

COL. WARREN—

Dear Sir:

Many of your readers I dare say have not had the opportunity of crossing the Pacific to these fair Australian shores. The trip is a very pleasant one, and as we had the fastest passage on record by 29 hours let me tell you a little about it.

You was kind enough to wish me *bon voyage* on the deck of the Pacific Mailship "Australia" on the 22d December (Monday). We cleared the Golden Gate before 2 o'clock and at first met with very bad weather, during the night one boat was washed clean off of the davits. Next day was better, and the 24th nice and fine with a fair wind, which we carried to New Zealand, on Christmas Day we had a dinner suitable to the occasion, the ship provided Champagne, wherewith to toast "Absent Friends."

We reached Honlulu on the 29th at 10 A. M. It is a very pretty place, the township is surrounded by peaky hills, and the gardens around are planted with very pretty trees including a variety of palms, the effect is very nice. A few of us chartered steeds and rode to Pali, a precipice 1,000 feet high, overlooking a fine plain dotted with sugar and rice plantations and the sea in the distance beyond. We left a number of tourists at Honlulu bound to other Islands in the group. The number of Chinese on the Island surprised us, in the town half the shops are in the hands of Chinamen, many of them are married to native women, and I should think made good husbands. It is said these almond eyed gentlemen buy little girls and adopt them until marriageable.

The "Australia" left the wharf at 7 P. M. and to Auckland we had a calm sea and fair wind. On the 8th we met the "Zealandia" outward bound, the sea being so smooth both steamers stopped and we exchanged newspapers. It is a pretty sight to see two sister ships meeting "Away on the Ocean." The "Zealandia" and "Australia" are the counterpart of one another, and are smaller editions of the famed White Star Boats, four masts, with saloon forward of the engines.

We reached Auckland on Sunday evening January 11th., the people were going to Church, the gun was fired up close to the wharf, and it brought down a great congregation of idlers to see the big steamer. Auckland harbor is very pretty indeed, quite comparable with San Francisco or New York but not equal for beauty to Sydney. We left at midnight and for two days had nasty uncomfortable weather, however we made good time reaching Sydney at noon on the 16th, four days before our time. It was a fine clear day and our American passengers were delighted with the harbor and surroundings seeming a pretty headland covered with Eucalyptus trees of many varieties, we come into full view of the magnificent steamer "Orient," Man of war, the Botanical Gardens, with the Government House and the Exhibition Building behind.

The "Australia" is a very comfortable boat, but given a little to rolling, the saloon being forward we hear nothing of the screw, and smell nothing of the oil and etc. from Cook's galley and Engine room to upset your inner man. Our evenings passed very pleasantly and socially, with music and singing (the Purser was great as a fiddler) and the ship's library excellent for the "book worms."

Every Saturday Fire Drill is practiced, on Sunday morning the Captain inspects the ship's Company on the poop and the roll is called, at 10:30 the bell tolls for service in the saloon.

A trip now adays on a big Ocean Steamer is a treat, creature comforts are so well looked after, you meet too so many nice people and you feel surprised how quickly the days go by. The Pacific boats are not equal to the "Orient", P and O, or Trans-Atlantic steamers, but are still very comfortable, and a month can be spent much worse than a trip between San Francisco and Sydney. The price of wines and etc are fifty per cent. higher, and no better than on other boats, but to some people thats nothing!

Many people in America are under the impression that this route to England is shorter than any other way from Australia. For passengers it takes at least twenty days longer and cost more than half as much again compared with other lines. In consequence, a hundred passengers go by the Orient and P. O. Companys (to say nothing of sailing ships and other steamers) to one by way of San Francisco, and as more steamers like the "Orient" are put on the line, fewer Australians will travel through America. I think it behoves the Pacific Mail Company to think of reducing fares more in accordance with the other lines now running. Yours very truly, W. H. F.

NEW ENGLAND.—We have just received from the Hon. Marshall P. Wilder the volume of proceedings of the New England Historic Genealogical Society for 1880.

The book sent us contains valuable records and the address of the venerable President, for which we tender many thanks—we shall speak from it.

Agriculture.

Plow deep, while sluggards sleep,
And you shall have CROPS to sell and to keep.

THE CIDER MILL.

[Every Son of New England will read with joyful remembrances this happy reminder of "Boyhood Days," by this gifted Poet.—ED. F.]

BY JOHN G. WHITTIER.

Under the blue New England skies,
Flooded with sunshine, a valley lies.

The mountains clasp it, warm and sweet,
Like a sunny child to their rocky feet.

Three pearly lakes and a hundred streams
Lie on its quiet heart of dreams.

Through its trees the softest sunlight shakes,
And the whitest lilies gem its lakes.

I love, oh! better than love can tell,
Its every rock and grove and dell,

But most I love the gorge where the rill
Comes winding down by the old brown mill.

Above, the clear springs gurgle out,
And the upper meadows wind about;

Then join, and under willows flow
'Round knolls where the blue beech whip-stocks grow.

To rest: in a shaded pool that keeps
The oak tree clasped in its crystal deeps.

Sheer twenty feet the water falls
Down from the old dam's broken walls,

Spatters the knobby boulders gray,
And, laughing, hides in the shade away,

Under great rocks, through trout-pool still,
With many a tumble down to the mill.

All the way down the nut trees grow,
And squirrels hide above and below.

Acorns, beechnuts, chestnuts, there
Drop all the fall through the hazy air;

And burrs roll down with the curled-up leaves,
In the mellow light of the harvest eves.

Forever there the still, old trees,
Drink a wine of peace that hath no lees.

By the roadside stands the Cider Mill
Where a lowland summer waits the rill,

A great brown building, two stories high,
On the western hill-face warm and dry;

And odorous piles of apples there
Fill with incense the golden air;

And heaps of pumice, mixed with straw,
To their amber sweets the late flies draw

The carts back up to the upper door
And spill their treasures in on the floor;

Down through the toothed wheels they go
To the wide, deep cider press below,

And the screws are turned by slow degrees
Down on the straw laid cider-cheese;

And with each turn a fuller stream
Bursts from beneath the groaning beam.

An amber stream that gods might sip,
And fear no morrow's parched lip;

But wherefore gods? Those ideal joys
Were soulless to real New England boys.

What classic goblet ever felt
Such thrilling touches through it melt,

As throb electric along a straw,
When boyish lips the cider draw?

The years are heavy with weary sounds,
And their discord life's sweet music drowns,

But yet I hear, oh! sweet, oh! sweet
The rill that tasted my bare, brown feet;

And yet the cider drips and falls
On my inward ear at intervals;

And I lead at times a sad, sweet dream
To the babbling of that little stream,

And I sit in visioned autumn still,
In the sunny doors of the cider mill.

A PERILOUS RIDE.

Riding on Horseback Over the Ice-Mountain of Niagara Falls.

The *Toronto Globe* gives the following account of a perilous ride:

Recently Mr. Andrew Wallace rode his horse across the ice bridge—a difficult feat in itself—but not satisfied with this, ascended to the summit of the mountain at the base of the American Fall. The sight from the cliffs on the Canada side, which were covered with a large crowd of visitors, was a thrilling one. Slowly the horse toiled up the steep slippery side of the great ice cone, winding round the foot path till the summit was reached. Here, enveloped in a cloud of mist, which concealed the white cone itself, horse and rider looked like some weird apparition suspended in mid air. For some time the horse went careering about over the crest of the cone, where one false step might have hurled him and his rider into a fathomless, foaming gulf, full seventy feet below. Presently the daring horseman rode down the path, and crossing the ice bridge, regained the Canadian side. Both he and his horse were completely drenched with spray. The intelligent, sure-footed animal who played such a prominent part in this feat of unparalleled daring was a moderate size gelding, with four white feet and a snip on the nose. This is certainly a strong argument in favor of the theory that horses marked with white are more intelligent than whole colored ones.

EVERY farmer may not be able to reach the maximum of production, yet he can make his land produce what he needs, and what an accommodating market will pay him well for, when he has it in excess of home wants. No farmer in the land, however poor his soil may be at the outset, has any excuse for not making every acre contribute to his own and the general good.

FAST TROTTING HORSES.

It has been the special aim of American breeders, for many years past, to establish a *breed of fast trotters*. Now, what are the known laws by which we must be governed in the formation of any distinct breed and from a mixed race? We answer, in general terms, *By selection*—by coupling such individuals as show the greatest degree of excellence in the desired direction. By such selection there is a probability that the quality for which they were selected will be reproduced in the offspring. We say there is a *probability* that this will be the result; but it is not certain; for only such qualities as are general and are firmly fixed in the race are transmitted with certainty. If, however, we select parents both distinguished for the same accidental excellence in a given direction, the chances that this quality will be transmitted are theoretically twice as great as when only one of the parents is in possession of this exceptional excellence. And if in the produce from this coupling we see manifestations of the desired tendency, we may unite animals so bred with an increased probability that they in turn will transmit it to their offspring. It is mainly by this process of careful selection and coupling, with a view to the possession of exceptional excellence in a given direction, persevered in for many generations, that all breeds have been formed.

Now let us apply this principle, in a common-sense way, to the business of breeding trotters. The essential question should be, not "Is this Messenger, or Cannuck, or Thoroughbred?" but "Is it an exceptionally stout, fast, and lasting trotter?" The foundation for our *breed* of trotting horses lies in the exceptional excellence at the trotting gate, and the only way to create such a breed is to build upon that foundation by constant selection of the best and speediest to reproduce the race. As we have said elsewhere, the process is a slow one, but it is the only one by which uniformity can be established. The force of inherited influence will be mainly exerted to compel the progeny to adhere to the character which was *fixed in the ancestry*, rather than to follow a variation from that type that was *accidental in the immediate progenitors*; But by selection, with this especial point in view, for several generations the balance of inherited influences will finally come to our aid, and the transmission of speed of the desired kind will be reasonably certain.

In this view of the case, the breeder of trotting horses can have no more infallible guide than the record. A horse or mare that can trot in 2:30, or has begotten or produced a 2:30 trotter has shown a tendency in the right direction, which is a fact of more practical value to the breeder than any number of crosses to Messenger or any other horse that was not distinguished for that tendency. One that can trot in 2:30, and has produced a 2:30 trotter, is still better; and so on—the more absolutely fast trotting blood we can combine in the immediate ancestry, the more certain may we be that the produce will be fast trotters.

SCIENCE OF BREEDING.

In making selections with a view to perpetuating any variation from an established type, we must always begin with such individuals as have manifested a tendency to assume the desired form, and transmit it to their offspring. With a heterogeneous ancestry, representing various shades of divergence from the original type of the species, progress in any given direction by selection will, under the most favorable circumstances, be slow, and the results will frequently be anything but satisfactory. There is always a tendency in the offspring of a mixed or improved race to revert to the original form of the species from which it is derived. This is most apparent where animals of a widely-different character are coupled as in the case of cross-breeding with distinct varieties or breeds, which, although not without its compensating advantages in many cases, always introduces new elements of divergence. Hence the breeder will often meet with failure where he most expected success. The force of heredity is usually exerted to compel the progeny to adhere to the character that has become fixed in the species, rather than to follow the variation from the established type that was accidental in the immediate ancestry; but when, through selection of both parents with reference to this particular for several generations, the influence of heredity has once been enlisted in the transmission of what was originally but an accidental variation, it always lends its powerful aid in favor of the perpetuation of the desired form. Spontaniety may occasionally interpose a new feature, or atavism turn us back towards the original; but by continuing to select from the families that have been bred with reference to the desired points, we shall eventually succeed in fixing the new type so firmly that its transmission will be the rule and failure the exception; and when this point has been reached, we have succeeded in forming what may be justly called a breed.

Would You See Well?

Much has been said, written and advertised about the *Eyes*, and *Opticians*, but we believe it is an admitted fact that the scientific skill in making spectacles and in the knowledge of the eyes, and the kind of glasses, every person needs has placed C. Muller Esq. the Optician on Montgomery Street at the very head of his profession.

American and Egyptian Post-Offices.

The cost of the Postal Service of the United States is over Thirty Millions of Dollars annually, with a deficit of seven to eight millions a year. While the Egyptian Post-office under the management of an Englishman had an income over the expense last year of $650,000. Quite a contrast.

THE LONG EVENINGS.

Would you make the family circle useful, intelligent and happy? Then read and practice what is here laid down in the *Golden Rule*.:

One of the best ways of using the long evenings, if you are the head of family, is to make them happy and helpful to your household. Don't take your book or newspaper directly after supper—settle down in the warmest corner in a manner that warns everybody to keep still—read sulkily or selfishly until ten o'clock, and then yawningly ask your wife if it isn't "most time to go to bed!" Some fathers are as useful, and not half as ornamental, as a good quality of parlor boarder. There is a good bit of the evening left after the children's bed-time, if they go to bed when they should. Help Tommy on his "home lesson," if the teacher has been permitted to put one upon him, or give an hour to games which all can join. A little romp will help your digestion and spirits more than it can possibly hurt your dignity. Don't be afraid good people, of a regular dose of fun in your home life. It is the best preventative going for restlessness, nervousness, irritableness, and all other bad nesses that spoil home comfort. If it is to be the intellectual life to which the long evenings are to minister, organize your time—plan your work. Very little is accomplished in this world by working aimlessly.

Give so much time to topical, and so much to recreative reading. You can master the history of a people, or learn a new language, perhaps, in the time spent dawdling over books that just happen to come in your way, and whose contents run through your mind like water through a sieve. It is a good time to organize a reading club, if you have none in your circle. If they have not too much machinery and pretence about them, such clubs are very helpful in stimulating interest, saving time, and securing an exchange of knowledge and a comparison of views. The low price at which the best books are now published, and the ease with which they may be had without buying, gives literature a place in plans for time-using and self-culture, such as it never occupied before.

For social recreation and pleasure the long evenings open up a wide field for enjoyment, since sensible people are becoming more rational in their ways of using them. The old style "swell parties" and "crush sociables" are giving away to quieter affairs. Invitations now often suggest real pleasure, instead of being a mere legal tender for the payment of social debts. Only so many are invited as can be easily entertained, and they are selected with some idea of congeniality and the fitness of things. The head is remembered as well as the stomach, and sociality becomes a delight instead of a bore. Put the long evenings under tribute in some way we have indicated, and see if they do not take a place on the sunny side of your memory with the golden days now long passed.

WHERE THE TREASURE GOES.

The hundreds of millions of dollars that has been handled by the Merchants, Bankers and Business-men of San Francisco the *past ten years* was enough surely to have made thousands rich who are *poor* to-day.

A *Thousand Millions of dollars* has passed and repassed through business men's hands, but unfortunately but little of it *remained in their hands*, save the few that Shylock like, seek the, *Pound of flesh nearest the heart*.

Many are the reports of financial men of the sums that leave our State, and every year these reports are made.

By careful estimates of the amount of Treasure that has been exported the past *ten* years up to 1880, *i. e.* from 1870 to 1880 it has been in round numbers as follows:

Exported to New York		$215,000,000
do	" China	90,000,000
do	" Japan	17,500,000
do	" England	16,500,000
do	" Peru	10,000,000
do	" Central America	3,000,000
do	" Germany	1,500,000
And to lesser trading ports connected with the Pacific Coast, Mexico, France Hawaii Islands, Chili, and other places		3,000,000
This making the grand sum of		$340,000,000

An average of Thirty-four Millions of Dollars Annually—and thus we can see where our Treasure goes.

BREEDING SWINE.

A brood sow is usually at her best, as a producer, in the number and quality of pigs as well as in the secretion of milk, when she is from two to three years old. The number of pigs dropped at a litter will usually increase with each successive litter up to the third or fourth, provided the sow is put to breeding so as to drop her first litter when she is about a year old, as is the custom with most breeders of swine. After the sow reaches four years of age, her powers of gestation usually grow weaker, and she is much less liable to save the pigs that may be dropped. Like all other general rules, there are exceptions to this, but under ordinary circumstances we would not recommend the keeping of brood sows by farmers who are raising hogs for the general market after they reach four years of age. The professional breeder of pure bred stock may often find it to his interest to keep a favorite sow, and give her especial attention so long as she will breed at all, because the exceptional value or reputation of her produce will justify him in keeping her for returns in number, which with ordinary stock would not repay the cost of food, but such cases rarely occur with the general farmer who breeds and feeds pigs to make pork.

LOCAL GOVERNMENTS.—We have a copy of the articles published by Robert P. Porter, Esq., of Chicago, upon Local Governments, both at home and broad, as copied from the *Princeton Review*, we have No. 1. of the series, of which there will be fifteen numbers, embracing all the important interests that go to make up a good and wise government, those all can be had of booksellers generally, and these should be widely read.

HUNTINGTON, HOPKINS & CO.

IMPORTERS OF

Hardware, Iron, Steel, Coal, Powder, Fuse,

Belting, Hose, Rope, Etc.,

Milling, Mining, Building Material

—AND—

RAILWAY SUPPLIES.

Cor. Market and Bush Streets,

SAN FRANCISCO.

No. 52, 54, 56, 58 K Street,

SACRAMENTO.

N. ASHTON & SON'S

Liverpool Fine Salt.

IN UNIVERLAL USE THROUGHOUT THE EASTERN and Western States, and acknowledged far superior to any other brand of factory-filled salt.

Extract from Proceedings of the National Butter, Cheese and Egg Association, at Chicago, in March:

"A sack of salt contains 7,168 half-ounces; therefore it will make 7,168 pounds of butter, which, at 25 cents per pound, is worth any $1,800. A sack of Ashton's Salt costs about $1 per sack more than ordinary brands of factory-filled salt, therefore, is there any gentleman who would risk the spoiling of $1,800 worth of butter to save $1, when by spending that $1, he can have the quality of his butter guaranteed, as far as salt can guarantee it? The extra cost of using Ashton's for cheese is hardly one cent on a hundred pounds, and for curing provisions, the additional expense does not equal three cents on a hundred pounds of hams, and for household purposes, it costs about 50 cents extra per annum for a family of six. Why not use the best salt?"

For sale by

WILLIAMS, DIMOND & CO.,
218 CALIFORNIA STREET,
Sole Agents for Pacific Coast.

48 10

J. M. NEVILLE. O. H. SEVANT.

NEVILLE & CO.,

Bag, Tent and Hose Factory

33 CALIFORNIA STREET,

South-East Corner of Davis Street,

San Francisco,

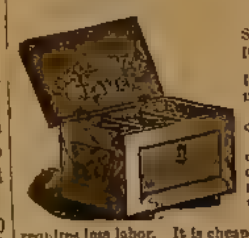
[Removed from their old place, 113 Clay Street, to their new and enlarged accommodations.]

IMPORTERS, MANUFACTURERS, AND DEALERS IN ALL KINDS OF

Bags, Burlaps, Duck,

Canvas and Cottons.

COOLEY CREAMER.



Supersedes large and small pans for getting milk.

It requires no milk room.

It requires capacity for one milking only.

Impure air, dust or flies cannot reach milk set in it.

It makes more butter, because it raises all of the cream, and the quantity is never lessened by unfavorable weather.

It makes better butter. It requires less labor. It is cheaper.

Butter made by this process took the HIGHEST AWARD at the INTERNATIONAL DAIRY FAIR held in New York, December 1878, and at the Royal Agricultural Exhibition held in London, June 1879, and brings the highest price in all the great markets.

Send stamp for the DAIRYMAN to

VERMONT FARM MACHINE CO.,
BELLOWS FALLS VT.

FRESH ALFALFA SEED.

New, clean, selected CALIFORNIA ALFALFA SEED in quantities from 10 pounds to tons, in ots, can be had at the lowest market price at

CALIFORNIA FARMER OFFICE.
320 Clay Street.

BERKSHIRE SWINE RECORD.

A SPLENDID WORK IN THREE VOLUMES, ELEGANTLY illustrated with plates of the finest Berkshire Swine in the United States and the Canadas, sent out by the American Berkshire Association, is now for sale at the CALIFORNIA FARMER OFFICE 320 Clay Street.

WHO MAKES SCRAP BOOKS?

'Tis said "In the making of books there is no end," and we know there are many persons who are always interested in making SCRAP BOOKS—now, to all such persons, we have some very important information which will benefit them.

It will be seen by our advertisement of "OLD NEWSPAPERS FOR SALE" that we can furnish just the right material for SCRAP BOOKS, for we have in this collection of OLD NEWSPAPERS, a series of papers of 10 to 25 years, and from every State in the Union, and also European papers, with select scientific and literary papers, journals of all kinds. In these papers will be found much of the best Poetry of the age; also, Stories, Anecdotes, etc., all very valuable, and these we shall offer at the low rate of $1.00 to $3.00 per hundred. Many of these are 12, 16 and 20 page pamphlets, and magazines and other periodicals, those who want these collections will call at or address the

CALIFORNIA FARMER OFFICE.

50 FINE MIXED CARDS, with name, 10c. Agents wanted Outfits 10c. Mention this paper, and address, JOHN H. MADISON, Sandwich, Ill. 49

The Great Medicine!!

THE GREAT MEDICINE
CLARKE'S
COMPOUND CONCENTRATED FLUID
EXTRACT OF EUCALYPTUS
(AUSTRALIAN GUM TREE)

INTERNALLY.—Dose Thirty to Sixty drops on lump sugar.
EXTERNALLY.—Use as a Liniment.
FOR DIRECTIONS—SEE WRAPPER.
SOLE MANUFACTURER
DAVID CLARKE, CHEMIST,
WARWICK.
To prevent fraud each genuine bottle is signed.
Price 2s 6d. David Clarke

We have appointed for the sale of this Medicine advertised in our columns the following

AGENTS:

A. M. COLE,
APOTHECARY AND DRUGGIST,
GEN'L AGENT FOR STATE OF NEVADA.

H. C. KIRK & CO.,
DRUGGISTS,
SACRAMENTO CITY AND COUNTY.

H. BOWMAN,
APOTHECARY AND DRUGGIST,
AGENT FOR OAKLAND.

RHODES & CO.,
APOTHECARY AND DRUGGISTS,
AGENT FOR SAN JOSE.

M. J. DOLYE & CO.,
POST OFFICE,
AGENTS FOR MENLO PARK.

J. W. JONES,
DRUGGIST,
AGENT FOR BENICIA.

HODGE, DAVIS & CO.,
DRUGGISTS,
AGENTS FOR PORTLAND, OREGON.

DR. D. L. MORSE,
DRUGGIST,
SAN MATEO.

DR. L. H. CUTLER,
DRUGGIST
LIVERMORE.

JOHN WOLFE,
DRUGGIST,
AGENT FOR SAN RAFAEL.

GODBE, PITTS & CO.,
DRUGGISTS,
SALT LAKE CITY, UTAH.

J. WIDNEY,
MERCHANT,
SANTA CLARA.

The Remarkable Cures which have been effected by the Wonderful Remedials, known as CLARKE'S EUCALYPTUS REMEDIES from Australia, have, and are exciting a great influence among all those who have long been sufferers by these terrible sources of suffering, RHEUMATISM, NEURALGIA, DYSPEPSIA, and FEVER AND AGUE.

These are the hard diseases which the Eucalyptus Remedies battles with and which they cure—of this, HUNDREDS OF TESTIMONIALS could be had.

Be sure you ask your Apothecary for the true Medicine, DAVID CLARKE'S EUCALYPTUS PREPARATIONS The only Genuine article

WARREN & CO.,
SOLE AGENTS FOR THE UNITED STATES.

NEW TOOTH POWDER!

The NEW TOOTH POWDER and preservative for the gums, and purifier of the breath

DAVID CLARKE'S
Eucalyptus Tooth Powder,

The BEST EVER COMPOUNDED and destined to supersede all others.

WARREN & CO., SOLE AGENTS,
320 CLAY STREET, S. F.

BOOKS FOR FARMERS!

BOOKS FOR FARMERS' LIBRARIES

AGRICULTURE,
HORTICULTURE,
FLORICULTURE,
STOCK RAISING,
BEE RAISING,
POULTRY GROWING.

We invite our farmers to call at our Reading Rooms and look over the new and valuable books suitable for their own interest and advancement. In addition to such as we have FOR SALE, we always have many for FREE DISTRIBUTION that our subscribers can have

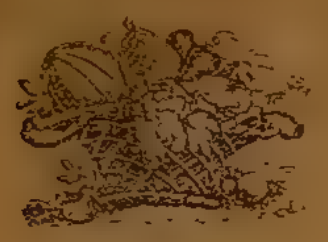
With many valuable and interesting works on all branches of each of these important leading articles.

For sale at lowest rates at
FARMER OFFICE.
320 CLAY STREET.

DAIRY BREEDING CALENDAR

We invite Dairymen who desire a valuable "Dairy Breeding Calendar," containing very excellent items of great value to them, to call and examine the article named above—it is of but little expenses, yet of great value.

CALIFORNIA FARMER OFFICE.



Horticulture.

"Every tree is known by its fruit."
"The desert shall blossom with the rose."

SEE TO YOUR GARDENS.

The long cold and wet season has so solidified the soil that it would be very injurious to touch it until several days of warm and drying weather has absorbed the chilling properties from the Soil.

It is always injurious to the Soil to handle it when it is cloggy, more harm than good is done by disturbing it then, a little delay for good weather and a warm sun, will give a greater growth to everything in the garden by cultivating the soil when it is dry and mellow.

The pruning of Roses and Shubbery can be done now to advantage, and thus save treading down the soil after the garden has been dug and put in order.

While this cold wet weather continues, the planting of Trees, and other things, and especially garden seeds should be delayed, as nothing can grow in a cold wet soil, and a week's delay for the earth to warm will always give a quicker, better, and a stronger growth when the vegetation begins.

These remarks do not apply however in those upland warm vallies and nooks where the earth is porous and warm, and the cold storms have not chilled the earth and retarded vegetation.

Beautiful Flowers.

We would call the attention of those of our readers who contemplate purchasing Seeds, or Plants during the coming season, to the advertisement of Peter Henderson & Co., New York, now appearing in our columns. Peter Henderson, the senior member of the firm, is known far and wide as a horticultural writer and authority. His book, "Gardening for Profit," "Practical Floriculture," and "Gardening for Pleasure" are now in the hands of thousands. The Green-house establishment covers three acres in green-houses, and employs upwards of fifty hands. Millions of plants are shipped by mail or express annually to every State and Territory. Their seed Warehouse is the most extensive in the City of New York, and every order received is certain to be filled with goods of the best quality, as they are producers as well as dealers. "EVERYTHING FOR THE GARDEN" will be sold at low rates.

FLORIDA STATE FAIR.

The FIFTH ANNUAL STATE FAIR of Florida will be held at the City of Jacksonville, Florida, to commence on the 24th of February and continue *five days*.

This Fair promises to be a very Grand affair, the Citizens have subscribed $2,000 for SPECIAL PREMIUMS. Among the Premiums we noticed the Prize of *Fifty Dollars* for the *Best Exhibit of Oranges*, and *Twenty-five Dollars*, for the Best general display of Fruits. The general Premium List is a very extensive and liberal one, in addition to the *Special Premiums*.

We tender our thanks for the Document, Premium Lists, Rules and Regulations of the Fair, and for a courteous Invitation to attend, and regret much we could not go on *foot*, or by *telegraph*, and enjoy the luxury of a view of the Hall and the rich Fruits that will be on exhibition in that "Italy of America."

OREGON STATE FAIR, 1880.

A CARD.

The Twentieth Annual Fair of the Oregon State Agricultural Society, will be held at the Fair Grounds near Salem, commencing on THURSDAY, July 1st 1880, and continuing until Thursday evening, July 8th.

Grand Celebration of the National Anniversary, on the grounds, on Monday, July 5th. The business of the Fair will be suspended for that day.

Half fare rates have been secured on all the Raid road and Steamer lines on the North Pacific Coast.

M. WILKINS, President.

E. M. WAITE, Secretary.

THE PLANTING SEASON.

The season for planting Trees, Shrubs and Flowers and the preperation of orchards, vineyards and gardens has been much delayed by reason of the long cold freezing weather we have had now for nearly *three months*.

We would not, even now, recommend the prepration of the ground and the planting of the more delicate seeds and plants in the outdoor garden until we have had a little warm spell, that the *earth may be warmed* so that the seed may vegetate and the rootlets get warmth enough to start.

The three great and all needful principals of life to vegetation are well known to be, *light, heat* and *moisture*, without *all* these there can be no complete and healthy growth of vegetation, the earth has had quite an abundance of moisture, but clouds and raw winds have kept the earth *cold*, even to a severe freezing, and the sun has had little or no power yet to give that vitality to the soil needed for a quick and healthy growth, it is therefore better to delay a little before planting, til these essential elements of *nature* give the earth its due prepreation; then such acts will result to the labors of man.

Diphtheria.

This fearful disease is now doing its terrible work of death among the children of our State and the ordinary remedies fail to arrest it.

If parents would but try the great Remedial Agency of the Eucalyptus, they could save their children from this direful death dealing scourge.

Be sure and obtain the true Medicine, *David Clarke's Australian Remedials*.

Dr Drysdale, an eminent English authority, estimates that 145,000 persons die prematurely in England and Wales every year, as the result in crowding in tenement houses and elsewhere.

LONDON AGRICULTURAL SEED TRADE

From Messrs. John Shaw & Sons the well known Seed Merchants, of London, we have the following:—

No. 37 Mark Lane, London, E. C. Feb., 2 '80

Owing to the recent hard and frozen state of the land, and the dark foggy weather, which rendered it impossible to examine samples, the seed trade presented, during the past week, an exceedingly quiet appearance. As regards the finest samples of red clover, values are fairly steady but inferior qualities can be bought at a reduction. Cable advices report the American markets as easier. There is very little business doing in Trefoil. Good Alsike is now unusually cheap. In American Timothy a further advance is noted of 1 s. to 2 s. per cwt. Heavy Perennials are in short supply. In Italian, a moderate business has been passing at full rates. Of fine Lucerne the quantity on hand is in narrow compass. The inquiry for Mustard and Rape-seed is meagre. With respect to Canary Seed the late considerable arrivals combined with the absence of any demand, have further depressed prices. Hemp and Millet are firm. White Runner Beans are now obtainable on very moderate terms. The trade for Blue Peas slowly but gradually improves. Haricots and Lentils are lower. Tares continues in brisk request at hardening currencies.

Directions for Planting Tree Seeds.

All nut and hard shell seeds should be soaked in warm water, milk and water is better, and hot too, if convenient, soaked until the rind is softened, then placed in the earth as follows:

All seed of choice nut trees, or of ornamental and shade trees do better if planted in good sized boxes, and when 6 10 or 12 inches high to be transplanted where they are to grow.

THE SOIL AND PREPARATION.

Take of good rich loam (virgin soil) one-third, one-third sand, one third very old decomposed manure, mix them thoroughly, then prepare boxes with holes in the bottom for drainage, fill these boxes two-thirds full of this compost, and plant the seeds, each in separate boxes, and in thickness according to the size of the seed, then sift over them good sand and loam only, about 1½ to 2 inches, and over this cover about an inch of sawdust, then sprinkle with a fine syringe or water pot, the sawdust keeps the surface from baking keep the boxes in a light and cool place, free from the sun (which dries the surface) till the seeds are up and show 2 or 3 leaves, then bring gradually into the sun and air

FREES

The largest and most complete Stock of Fruit and Ornamental Trees in the U. S. Priced Catalogues sent as follows: [illegible] 15 10 2. [illegible] 25 cts. 15 cts. [illegible] 4, and 3 cts. Address

FREE.

ELLWANGER & BARRY, Rochester, N.Y.

SPLENDID FLOWERS OVER 1200 Distinct Varieties

All Strong Plants, each labeled, delivered safely by mail. Largest assortment. Low prices. In business for 28 years. *Guarantee satisfaction.* Stock comprises *all desirable varieties.* Only mature plants sent. Our new Illustrated Hand-Book, sent free, contains the name and description of each plant, with instructions for successful cultivation. Do not purchase elsewhere *before sending for our new* HAND-BOOK. *Every lover of flowers should have it.* All buyers of *cheap plants* should have it. Every one wanting *new and choice plants* should send for our Hand-Book. HOOPES BROTHER & THOMAS, CHERRY HILL NURSERIES, West Chester, Pa.

JOHN SAUL'S

CATALOGUE OF NEW, RARE AND BEAUTIFUL Plants, Bulbs, Roses, Feb 1st, with colored plate. It is full of really good and beautiful plants—new Dracænas new Crotons, new Solanums, new Roses, Geraniums, Camellias, etc., with a rich collection of fine foliage and other greenhouse and bedding plants, well grown at low prices. Free to all my customers, to others 10 cents, or a dollar copy free. Catalogues of seeds and Roses free. Address JOHN SAUL Washington, D. C.

D. M. FERRY & CO'S ILLUSTRATED AND DESCRIPTIVE PRICED SEED ANNUAL FOR 1880

Will be mailed free to all applicants, and to customers without ordering it. It contains four colored plates, 500 engravings, about 200 pages, and full descriptions, prices and directions for planting and culture of Vegetable and Flower Seeds, Plants, Roses, etc. Invaluable to all. Send for it. Address,

D. M. FERRY & CO., Detroit, Mich.

49 20 1m

My Annual Catalogue of Vegetable and Flower Seed for 1880, rich in engravings from photographs of the originals will be sent FREE to all who apply. My old customers need not write for it. I offer one of the largest collections of vegetable seed ever sent out by any seed House in America, a large portion of which were grown on my six seed farms. *Full directions for cultivation on each package.* All seed *warranted to be both fresh and true to name*, so far, that should it prove otherwise, *I will refill the order gratis.* The original introducer of the Hubbard Squash, Phinney's Melon, Marblehead Cabbages, Mexican Corn, and scores of other vegetables. I invite the patronage of *all who are anxious to have their seed directly from the grower, fresh, true, and of the very best strain.* **New Vegetables a Specialty.**

49 20 2m JAMES J. H. GREGORY, Marblehead, Mass

Grass, Clover and Forrest Tree Seeds!

(American and European.)

Catalogue Free on Application.

SPECIALTIES—*BLUE GRASS, RED TOP, ORCHARD GRASS, MEADOW FESCUE, ALFA, ALSYKE, HUNGARIAN, &c.*

HENRY NUNGESSER, SEED MERCHANT,
83 Avenue D, New York.

New! The Very Best!

TRUE TO NAME!

Felix Gillet's Nursery,

NEVADA CITY, CAL

SPECIALTIES:

Nuts of all Kinds

—AND—

STRAWBERRIES.

PARŒPARTURIENS WALNUT.

(Introduced in California in 1871, by FELIX GILLET.)

THE MOST PRECOCIOUS OF ALL SOFT-shell varieties of Walnut, bearing even when three years old; hardy, a late bloomer, and very productive. First bearing trees in California, at FELIX GILLETS NURSERY, 5th crop, 1879. (Full description in Descriptive Catalogue.)

ONE-YEAR-OLD TREES

Of that new and valuable variety sent to any part of California and the United States, by mail, FREE OF CHARGE, in packages of two feet; in damp moss and oiled paper, and guaranteed to arrive in as FRESH a condition as when leaving our Nurseries, at the following prices: $1. per tree, for less than half a dozen; $8. per dozen, and

$50 per Hundred.

Also, One-Year-Old Late or Serotina

—AND—

JEWELER'S WALNUT.

At the above Prices.

Marron de Lyon and Marron Combale

CHESTNUTS.

— Italian and Spanish Filberts —

MEDLAR (Monstrueuse,

Black Mulberry (Noir of Spain.

23 Varieties of English Gooseberries,

FRENCH, ENGLISH and DUTCH STRAWBERRIES

FRENCH EVER-BEARING RASPBERRIES

FORTY VARIETIES OF GRAPES, ETC., ETC.

Send for Descriptive Catalogue and Price List. To

FELIX GILLET,
Nevada City, California.

Newest and Best Berries,

Mountain Grown Plants

—OF—

Glendale, Miners Great Prolific, Endicott, Ruby, Cinderella, Forest Rose and many other New Varieties, and all the

OLD FAVORITE

VARIETIES OF

STRAWBERRIES

HESTINA,
CUTHBERT,
HIGHLAND HARDY,
PRIDE OF THE HUDSON
AND TWENTY OTHER VARIETIES OF

RASPBERRIES.

Send for Catalogue, and see our prices.

Address, C. M. SILVA & SON,
Newcastle, Placer Co., California.

NEW STRAWBERRIES.

BY MY SYSTEM OF MAILING PLANTS I CAN SAFELY send to California during the months of November, December and March. Many customers on the Pacific Coast can verify this. OVER 100 VARIETIES OF NEW STRAWBERRIES are now being grown on my grounds, SHARPLESS, GLENDALE, ENDICOTT, PRESIDENT LINCOLN, MISER'S GREAT PROLIFIC and PIONEER, all give berries over 5 inches around, and some specimens even 10 and 12 inches around. Plants of each by mail for $3.00 per dozen or ½ dozen of each for $2.00, postage paid, Crystal City, Harvey Davis or Monarch may be substituted for any of above. Cuthbert and other new Raspberries and Blackberries at 75 cents per dozen by mail, older varieties 50 cents per dozen. Grapevines 25 cents each. References, Cashier First National Bank of Sangerties, N. Y. address R. H. HAINES Sangerties, N. Y

The New Eucalyptus Seeds.

NURSERYMEN AND ALL OTHERS who desire to plant the HARDIEST and CHOICE kinds of the EUCALYPTUS TRIBE, of which there are nearly TWO HUNDRED NOW DESCRIBED, can be supplied with very choice fresh seed of TWENTY-FIVE VARIETIES never before offered for sale on our coast.

We have also received from Australia a very large and fine collection of Ornamental Tree and Shrub Seeds, which are most desirable to introduce upon the Pacific Coast.

In order to scatter them widely, and thus have them extensively grown and more widely disseminated, we will put them up into collections of *ten parcels each*, and mail them to order, at $5 each collection. Address

WARREN & CO.,

320 Clay Street, - - - San Francisco.

J. M. THORBURN & CO.,

15 JOHN ST.

NEW YORK.

Growers and Importers of

GARDEN, FLOWER, GRASS,

— AND —

TREE SEEDS.

SOLICIT Orders for the above from the TRADE, also, *GLADIOLUS* and all other *BULBOUS ROOTS*

Price Lists on Application.

VICK'S FLOWER AND VEGETABLE GARDEN

is the most beautiful work of the kind in the world. It contains nearly 150 pages, hundreds of fine Illustrations, and *two Colored Plates of Flowers*, beautifully drawn and colored from nature. Price 50 cents in paper covers; $1.00 in elegant cloth. Printed in German and English.

Vick's Illustrated Monthly Magazine—32 pages, fine illustrations, and Colored Plate in every number. Price, $1.25 a year; Five copies for $5.00.

Vick's Catalogue, 300 Illustrations, only 2 cents.

Address, JAMES VICK, Rochester, N. Y.

SEEDS FOR THE GARDEN, FARM & FIELD

SPECIALITIES 1880.

Early Amber Cane Seed; Bohemian Hulless Oats; Early Russian Spring Wheat; Egyptian or Pearl Millet; New Varieties of Field Corn; Vegetable and Flower Seed; Seed Potatoes, etc.

Send for our Seed Catalogue, containing descriptions, prices, etc. Mailed Free to all. Address,

Plant Seed Company,

ST. LOUIS, MO.

Agents Wanted

To introduce in every County in the United States

The History of the Bible.

The best work to sell that has ever been published. Special Premium to every Subscriber. For circulars and terms apply at once to the

HENRY BILL PUBLISHING CO.,

47 10 41, 43 and 45 Sheets Ist St., Scratch, Ct.

THE DINGEE & CONARD CO'S BEAUTIFUL EVER-BLOOMING

ROSES

Well rooted STRONG POT ROSES for Winter Bloom and Fall Planting safely by mail at all post offices. Five (5) Splendid Varieties, your choice, all labeled, for $1; 12 for $2; 19 for $3; 26 for $4; 35 for $5; 75 for $10; 100 for $13. Send for our New Guide to Rose Culture, and *choose from over* 500 Finest Sorts. Our Great Specialty is growing and distributing Roses. THE DINGEE & CONARD CO., Rose-Growers, WEST GROVE, CHESTER CO., PA.

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A NEW STRAWBERRY.

SHARPLESS, THE LARGEST, BEST FLAVORED and most productive berry ever produced. Berry raised with ordinary culture from plant, set in September, 12½ inches in circumference, weight, 2½ ounces; and on the same stem four others from the size of a hickory nut to that of a walnut. See short statement and recommendations in my circular. Free to all sending their name and address on postal card. J. L. DILLON BLOOMSBURG, PA.

49 7

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PLANTS GROWN for transplanting, and Fruit for the market. 100 Acres planted with Berries 100 Varieties of Selected Fruits 100

See New Catalogue for what to select and how to plant. Sent free. JOHN S. COLLINS, Moorestown, N. Jersey.

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TWENTY VARIETIES.

The Rarest and Best.

PRODUCING BERRIES THIS SEASON from the size of a Walnut to that of a Hen's egg.

The varieties offered are new and choice and immediately productive.

Directions for their culture given to all purchasers. For sale at

Farmer Office.

EGG FOOD FOR POULTRY.

EGG FOOD IS INVALUABLE FOR ALL kinds of poultry, make your Hens lay, keeps them in splendid condition, prevents all diseases the common ailments. The high reputation of this article among Poultrymen, Fanciers and Farmers in the Eastern States has proved that it is the only and best article to keep your poultry healthy, and make them lay. Call and examine or send for Circulars to WARREN & CO. 320 Clay Street

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All kept sweet indefinitely by arresting fermentation. Water—the muddiest—made pure and clear as crystal. Enough for ten barrels sent on receipt of "One Dollar." Agents wanted. Address ELSOM'S LABRATORY Jerseyville, Chautauque County, N. Y. 49

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Nurserymen and Florists abroad who desire to make their business widely known on the Pacific Coast; those Nurserymen, especially, who have NEW and RARE kinds of Trees, Plants, Shrubs, or Seeds, should remember that by advertising with us and making their business known in our columns, they can secure an extensive trade from our Golden Land, and at the same time make their business known over the whole Union, and also in Europe and over all Australia, as our JOURNAL circulates there to a large extent.

This is the season when Nurserymen should make known what they have for sale.

Warren & Co.,

PROPRIETORS CALIFORNIA FARMER.

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HANDY-BOOK

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What to Eat. A Manual for the Housekeeper: giving a Bill of Fare for every day in the year. 134 pp., cloth. 75 cts.

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All these valuable books can be had at the FARMER OFFICE, and will be mailed by us Post Free on the receipt of the price named above.

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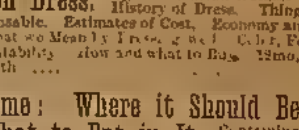


GARDEN GROUNDS LAID OUT,

THOSE WHO WISH THEIR GARDEN GROUNDS RENEWED and replanted, or those who desire to have grounds designed and laid out upon scientific principles, and with correct taste and skill, as

ADAPTED TO THIS CLIMATE

Can have this work done to their satisfaction by calling at this office, where all the best works on gardening can be found, and where the various styles, both European and American can be seen. Grounds of any extent, from

ONE THOUSAND ACRES

To small gardens in our city, will be designed and laid out and the Trees, Plants, Shrubs, Vines and Bulbs all supplied of the very best variety and reliable quality, and the work done to complete satisfaction.

WARREN & CO.,

320 Clay Street, - - - San Francisco.

NEW VALUABLE SEED.

SEED OF THAT IMPORTANT TREE KNOWN AS THE famed BLACK WATTLE TREE, from which is gathered bark for Tanners' use in Australia, can be grown in California with great profit. More than fifteen thousand tons per year of the bark of this tree is gathered and used in the Australia colonies with great profit. Our farmers should look to this tree and have it grown in California for TANNERS use, and thus encourage HOME INDUSTRY. Fresh seed just received and for sale at FARMER OFFICE, 320 Clay Street San Francisco.

The California Farmer.

SAN FRANCISCO.

THURSDAY EVENING, FEB. 25, 1880.

THE CALIFORNIA FARMER READING ROOM,

AND MUSEUM OF NATURAL HISTORY.

320 Clay Street—Market Building—Up Stairs.

FARMERS HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

Farmers Reading Room.

Farmers and Mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers from abroad are particularly invited to avail themselves of these rooms, Newspapers from every State in the Union, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for reference; a Good Library of hundreds of volumes with works illustrative of Agriculture Horticulture, and Floriculture, and works for reference upon all the Sciences, also, a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all Free.

Advertising Medium.

The terms for advertising in the California Farmer is, ONE DOLLAR for five lines or less of space in Nonpareil type, for one insertion, fifteen cents a line for any larger space. Each subsequent insertion ten cents. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. The right is always reserved, to reject any advertisement deemed objectionable.

Sample Copies.

☞Those who receive a number of the Farmer with this paragraph marked, will please understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to a desire to prompt their neighbors to subscribe also.

Samples copies sent when requested. Liberal rates for Clubs or Societies.

WARREN & Co.,
PUBLISHERS CALIFORNIA FARMER.
San Francisco, Cal.

Editor's Chair.

OUR SPECIAL NUMBER.

We send *this number* to many persons who *are not* Subscribers, but we hope after they shall examine our Journal that has labored for the best Interests of our State for 25 years, they will send in their Names and Subscriptions to this Pioneer Journal of Agriculture.

Home.—We give our readers on our Home page *valuable teachings* from an old correspondent of *Twenty Years Long Syne*, a letter of great value.

Old Letters—Another waif of olden times, full of good thoughts and teachings.

The "Heart is a Machine," "A Noble Woman," "Education"—each instructive,

Our Poets Column.—We offer some very choice gems that we trust will be duly appreciated.

Horticulture.—This page gives some important notices and instructions.

Miscellany.—Our usual Items to Note.

Agriculture.—We give on this page Important articles on the Stock Interests—"Fast Trotting Horses, "Science of Breeding," "Breeding Swine," each very important to our Stockmen, also a valuable article "The Long Evenings," and "Where the Profits goes," "A Perilous Ride" and and other Items.

The "Cider Mill" we hope will interest many of our readers.

Our Front Page.—We give our "Paris Letter", with many very important items in it for our readers. Our "Washington Letter," and a valuable letter from our correspondent of Tahiti.

We give our readers a very interesting letter from our esteemed correspondent from Australia, which will be read with much interest, and we are promised from the same source letters from the "Sydney Exposition."

In Our Next.—We have letters from correspondents Both, J. C. D., R. S., and our Congressional, Paris, and London correspondents which we are obliged to defer till our *next number*.

Books Received.—We have several valuable Books to notice in our next also.

Correspondence.

Every one connected with the *Press* are familiar with many cases where letters sent are without date, or signature, and often too, letters of more importance even to the *writer* more than the office to which they are addressed, and such writers are the ones who are apt to complain that their letters are never answered. Carelessness in giving Town, County, and State, and even signatures are often known to many Editors.

We had a letter of inquiry recently, a resident of *Arlondale*, Washington Ter'y, who makes many inquiries of special interest to himself, who omits to sign his name, he is sparcely a seed collector, being desirous of our courtesy only sending a reply to him, which we will cheerfully do our only way is to send *this notice* marked to the *Postmaster*, who may probably hand it to the inquirer, and thus unravel the mystery. All letters of inquiry of this kind should contain *Stamps for replies*, and should be clearly and carefully directed, unless this is done, they go to the waste basket.

SYDNEY FAIR.

The Great Sydney Fair was in full progress at our last date; Exhibitors more or less from all the European countries were there, and many from the Eastern sections of the United States, with several from the Pacific Coast; but California and the whole Coast was not duly represented, they missed a good opportunity to make California known at this Fair to their great loss.

It is to be hoped that our California Interests may be better represented at the great Exhibition that takes place at Melbourne at the next National Fair to which our people have access, and where they should be fully represented.

THE SEASON and PROSPECTS.

The cold weather continues and retards much of the out-door work of our Farmers in all sections of our State, The rains have continued and up to the present time have blessed the earth in every county of our Commonwealth, even down South, where rains are rarely plentiful, even there, they are now satisfied as they have had more this season than ever before.

We can also report that the famed *San Joaquin* District, even the noted grain districts of Merced and Modesto are now rejoicing over a certainty of a glorious harvest in 1880. And we can say in full confidence that the prospects for an abundant harvest over the entire state is beyond question.

We are assured from what we have seen and what we know, the harvest of *grain* in 1880 will surpass all former years in quantity and we think in quality too, as the continued rains will give grain such a vigorous sett, that with strong roots our grain fields will salute their owners with graceful *bowing heads* near the harvest time, and this is the kind of grain that always is *sound headed* and weighs *well* in the opinion of the all.

Plowing is still continued, and immense fields of grain will still be planted: Barley and Oats, especially, the *San Pablo Valley* along the new Railway route is showing immense tracts of plowed lands, even up to the very top of the hills, and shows fine rich soil, much of it never before upturned to the sun, but now that the Rail Road comes near it will be made to blossom as the rose.

The severity of the Winter and the repeated frosts have been very severe in many places, the Orange, Lemon and Lime trees have suffered very much, even in our sunny southern counties, no doubt that many thousands of trees have perished: but this should not discourage any one from planting orange or any other fruit trees, as the famed sunny climes of *Florida* have often suffered in the like manner by frosts; we have reports from various places where old and valuable trees have been injured and killed, but as mourning over those losses will not bring them to life again, we will not picture losses but gladly record the facts that in all cases they will be pruned, cared for and *new trees* take the place of those that are lost.

Our Vineyards have not been injured, as they were not forward enough, save in some warm nook and there "Jack Frost" did not go.

This "Jack Frost" has been very saucy and bold this Winter, and has steadily crept into many Green Houses and Conservatories and taken the beauty and color out of many a row of bright tender plants, and changing these pure fragrant blossoms and brilliant foliage to a blackend corpse—Coleus, Begonias, Geraniums, and all of this class have bowed to the destroyer of beauty.

The orchards have not suffered much as the cold retarded the buds, and thus our fruit is saved. The early Apricots and Almonds may suffer a little as they are now showing bloom in warm places.

Our *Stock Men* have lost stock in the mountains in some places the sheep have been buried in the snow, and cattle have wanted food where the frost burned off the grass. But when, we sum up the Profit and Loss account of the season, we feel assured that the *Rains* are a greater *gain* than all the *loss* from all other sources, and the prospect of a glorious season so great, that all should be thankful.

THE MAYORALTY.

It will be remembered that this Journal last July previous to the election of Mayor, very strongly urged upon the Citizens the great importance of placing at the head of our City a Merchant that would give credit to our City and State both at home and abroad, a Mayor that would maintain Order, enforce our Laws, and preserve the City from misrule, corruption and ruin.

This Journal urged again and again the necessity of electing and placing Wm. T. Colman Esq. in the Mayor's Chair, and this could have easily been done had our Citizens been willing to have laid aside party politics (which has been the *curse of our City*) and had this been done, Mr. Colman would have been elected and our City would have been saved its present disgrace and the evils that endanger its peace and prosperity.

It was a fatal error and we then felt confident that unless this was done, as we then said ruin of business would come and great injury to our good name and credit abroad This calamity is now upon us and a remedy must be found, for already the loss of business to our City will actually count more than Twenty Millions of Dollars, and the capital removed from our State with business men of more than Fifty Millions more—and we feel sure all this would have been saved if W. T. Colman had been Mayor of San Francisco.

Our Wintry Weather.

The present winter in California has been such as to show very clearly that the seasons over the entire Pacific Coast are steadily changing and we should prepare for these changes. The vast amount of snow in the Mountains, and the coming Spring rains which will continue late should induce our friends in all the upper low Valleys *subject to overflow*, to prepare in season for the abundance of water that will pay them a visit—for [illegible] it must and plenty of it.

Kennedy's Sheep Dip, the best known.

GEN. U. S. GRANT.

OUR NEXT PRESIDENT.

Nearly two years ago we published our firm convictions that Gen. Grant would be our Next President, and from that time we have never altered our faith in that belief, only to make it Stronger: the reasons of our belief then, has been more clearly manifested in the political atmosphere over our Union, and we believe Gen. Grant the only man now living that can so well combine and control the seething elements of a widely disordered Political Maelstrom, and bring order out of confusion: establish harmony and give peace and secure prosperity to our Beloved Country.

We herewith Re-Publish what we said in our Journal on the 13th, of June, 1878, now nearly two years ago, we think the *First Journal* that so clearly named Gen. Grant for President in 1880, and, to this high place he is soon to be called once more, and this too, as the great purpose and design as we believe, of the Ruler of Nations.

(From the Farmer of June 13th, 1878.)

General Grant in his present tour of Europe, has received more personal attention and honors from the Crowned Heads of Europe than ever fell to the lot of one man before.

In this most remarkable tour of Gen. Grant we think we see more than meets the eye of a casual observer; Gen. Grant has been and is now in a situation to study well the condition, character, and situation of all the European Nations, and he will return well prepared to act a very important part on the history of our Country in the near coming year.

The present political aspect of our Country tends to a great contention and strife of parties; Communism with its Hydra head, religious, sectarian, and political fires will be kindled, old parties will fade away and new parties will be formed; the old feuds of the North and South are not yet dead as is seen by Congressional feuds upon the Presidential question, and in the great whirlpool of party strife there will be more or less danger to our Country, there will of necessity be needed some one great mind, who "Napoleon" like, can direct the masses when the storm is at its height, for the day is near when this storm must come, and when we shall need a mind cool, calm, firm, and brave enough "to ride upon a whirlwind and to direct the storm," and that mind, character and man we think we see in Gen. Grant, who is now preparing himself by that knowledge of the world, which will fit him to act the part he will be called upon to act when he returns to the United States; for we are fully convinced that as "coming events cast their shadows before" so Gen. Grant is surely destined to act a great and important part in our Country's history in early coming years.

We believe that events are ripening that will so revolutionize our political and social government, that by the next Presidential election Gen. Grant will be called to act a very important part for the welfare of our Country, and undoubtedly be once more called to the Presidential Chair.

We append one of Tennyson's Poems, which we think will in connection with this subject be read with interest.

ULYSSES.

I cannot rest from travel: I will drink
Life to the lees: all times I have enjoyed
Greatly, have suffered greatly, both with those
That loved me, and alone; on shore, and when
Through scudding drifts the rainy Hyades
Vext the dim sea: I am become a name;
For always roaming with a hungry heart
Much have I seen and known; cities of men
And manners, climates, councils, governments,
Myself not least, but honored of them all,
And drunk delight of battle with my peers,
Far on the ringing plains of windy Troy.
I am a part of all that I have met;
Yet all experience is an arch wherethrough
Gleams that untraveled world, whose margin fade
Forever and forever when I move.
How dull it is to pause, to make an end,
To rust unburnished, not to shine in use!
As though to breathe were life. Life piled on life
Were all too little, and of one to me
Little remains: but every hour is saved
From that eternal silence, something more,
A bringer of new things; and vile it were
For some three suns to store and hoard myself,
And this gray spirit yearning in desire
To follow knowledge, like a sinking star,
Beyond the utmost bound of human thought.

This is my son, mine own Telemachus,
To whom I leave the sceptre and the isle—
Well-loved of me, discerning to fulfil
This labor, by slow prudence to make mild
A rugged people, and through soft degrees
Subdue them to the useful and the good.
Most blameless is he, centered in the sphere
Of common duties, decent not to fail
In offices of tenderness, and pay
Meet adoration to my household gods
When I am gone. He works his work, I mine.

There lies the port: the vessel puffs her sail
There gloom the dark broad seas.
Souls that have toiled, and wrought, and thought with me
That ever with a frolic welcome took
The thunder and the sunshine, and opposed
Free hearts, free foreheads—you and I are old;
Old age hath yet his honor and his toil;
Death closes all: but something ere the end,
Some work of noble note, may yet be done,
Not unbecoming men that strove with Gods.
The lights begin to twinkle from the rocks:
The long day wanes, the slow moon climbs: the deep
Moans round with many voices. Come, my friends,
'Tis not too late to seek a newer world.
Push off, and sitting well in order smite
The sounding furrows; for my purpose holds
To sail beyond the sunset, and the baths
Of all the western stars, until I die.
It may be that the gulfs will wash us down:
It may be we shall touch the Happy Isles,
And see the great Achilles, whom we knew.
Though much is taken, much abides; and though
We are not now that strength which in old days
Moved earth and heaven; that which we are, we are,
One equal temper of heroic hearts,
Made weak by time and fate, but strong in will
To strive, to seek, to find, and not to yield.

With what we have said above, and what we know of the state of feeling over our Country, Gen. U. S. Grant is the only living man that can give Peace, Stability, and Prosperity to our Country.

VALUABLE AUSTRALIAN TREES AND PLANTS.

For about twenty years or more The California Farmer has labored to call public attention to the value of the many species of Timber Trees which so greatly abound all over Australia, and the vast number of highly Ornamental Trees and Flowering Plants that always attract the attention and win the admiration of every citizen of the United States that visit any portion of that Country

More than twenty years ago we first introduced the seeds of the famed Eucalyptus Trees sent us by that justly distinguished Botanist Baron Fred. Von Mueller, this was their first introduction here.

At *first* but *few varieties* were introduced, but now some *Two Hundred varieties* have been found and thoroughly Classified and beautifully Illustrated in handsome volumes giving the whole form, style, and beauty of the leaf, flower, seednuts, and grains of the various woods together with all characteries of these trees.

The history of these trees thus scientificaly described in four volumes by Baron Fred. Von Mueller are a treasure to Botanical Science and reflects the highest honor upon the author.

The value of this class of most wonderful trees is but little known, or appreciated, and the new varieties especially.

Recently we have received at our Office the following new and scarce varieties, —Eucalyptus *calophylla*, E. *goniocalyx*, E. *melliodora*, E. *carnata*, E. *leucoxylon*, E. *diversicolon*, E. *haemastoma*, E. *polyanthema*, E. *macrahyncha*, E. *calophylla*, E. *filicifolia*, E. *marginata*, E. *viminallis* E. *amygdalina*, with all the older varieties such as *Globulus*, *Oliqua*, *Rostrata*, being the various species of the Red, White, and Blue Gum species, of these we have also samples of the various woods to show their solid substance and the beauty of their grain in the wood.

In addition to this great class of wonderful trees, we could add the vast variety of the *Acacia species*, many of them of great value for the superior quality of their *bark* for *tanning* properties, of which *this Journal* has often spoken, and in the past *two* and *three* years we have published more than *one hundred* various Plants, Shrubs, and Trees of Australia with their full history, among the beautiful Araucarias of which several varieties are now seen in our gardens on this Coast, among them are, Araucaria *excelsa*, A. *bidwellii*, A. *cunninghamii*, and others. Very recently we have new species of the Garvillea. One G. *angulifera* highly ornamental with *edible seeds*, one of the finest known.

We have also, several species of the Bambusa sp. all extra fine varieties.

It is to be regreted very much that with our climate and the easy access now to all parts of Australia, New Zealand, and New South Wales, we have made so little advance in the growth of the Rare and Beautiful Trees, Shrubs, and Plants of that wonderful Country.

LEAVING OUR STATE.

For many various reasons large numbers of persons are leaving California to go to the Eastern States, to Australia, and various parts of South America, Mexico, Sandwich Islands, also to Arizona, Colorado, Dacota, and Oregon, and the other Territories that surround us, thus taking away from our population *two* or *three* for every *one* that comes to us.

These are unpleasant *facts* yet they are none the less true however, and we the Citizens, who allow unfit men to control our State and City Governments are alone to blame for it.

This state of things is indeed unfortunate for California, and the business of the whole Pacific Coast, and now that people can go to New York for the low price of $50 and $35 the rush away from our State will undoubtedly increase as the Springs opens.

The New Constitution and its effects upon business, the disregard paid to the private rights of our Manufacturers, Merchants and Citizens generally by the masses of unemployed who would dictate how business men shall carry on their business, or how they shall regulate their family conveniences, is fast affecting all departments of trade, and clouding the fairest prospects of our best business men, driving Capital from our State, closing up our Manufactories and driving working men out of employment.

Such a state of things was never known before in California, and never in any other great City or Commercial Mart in the world; and we venture to assert, never has such conduct as has been allowed to take place at our Manufactories and our Hotels and Workshops, been attempted in a well governed City, for the mover would be in prison in a few hours, and had such threats been made against Public Men, and Institutions in England or France as are made almost daily in our City by *American Citizens*, as are made here by *Foreigners*, Bracelets would have been placed upon their wrists as speedily as the officers of the Law could do it.

If our Citizens are content to live under such a kind of *dictation* and permit their business offices thus to be invaded, they must look to their private *Homes*, for that comes next, and they who can or will quietly submit to such wrongs must surely have but little patriotism, or love of that Liberty for which the "Heroes of the Revolution" poured out their blood that we might enjoy that priceless heritage.

The Right to enjoy "Life, Property and the pursuit of happiness," and each and all should wish; and every true born Son of Liberty should always feel, that

"The greatest glory of a free born people
Is to transmit that freedom to their children."

and in the same spirit they should say

"We will not be the traitor Slaves
While heaven has light, or earth has graves."

Good By. Good By.—M. T. Brewer Esq. of whom we speak in another column as a delgate to the A. O. U. W's at Boston, left with his Lady last Friday on his mission. Troops of friends bade him Good by at the cars, and we all wishee him a glorious *voyage*.

THE A. O. U. W'S.

The recent Celebration of the Grand Lodge of the A. O. U. W's. held on the 3rd. instant, at Turner Hall, Sacramento, was one of the most interesting and important gatherings of a Fraternal Society that has ever been held in our State.

It was indeed a meeting of good and true men united for a noble object and was one of more than ordinary interest, it was official, social and fraternal, and that meeting has already resulted in giving new life and energy to that Institution, and accomplishing very great good outside.

The A. O. U. W's. assembled at the Hall on the 3rd inst. where it was formally opened by the Grand Master, who made his Report.

That Report of the Grand Master is so excellent and interesting we wish we had space to give it entire, for it has so many noble teachings in it, it would do good to men who are not members of this order and would prompt them to become so.

The Report states that in July, 1878, there was but 41 Lodges and 2406 members, now there are 162 Lodges and 9,000 members, and these Lodge are all in a prosperous condition.

"Says the Grand Master,"

"In the list of our Lodges there is *not one* vacant member; like fixed and steady lights they stand upon the hills and plains of this Western Shore each gathering to itself more of power and brilliancy as the days go by."

Words like these will always give inspiration and noble aspirations to men, and prompt them to live for the good of mankind. The whole Report is evidence of goodness of Heart and Mind and devotion to the Cause of A. O. U. W's.

On Thursday evening the Grand Gathering was held in the Hall at which some 1,000 Ladies and Gentlemen were present, it was a gathering of the highest order, the evening was devoted to social converse, promenading, dancing, and during the evening an elegant supper was served, and dancing was then renewed, this was continued to the small hours.

No social gathering in Sacramento the present year has excelled it in numbers and style, unless we except that of his Excellency the Governor, at which some 3,000 were present, never was seen a finer body of noble men than at this gathering.

On Wednesday evening (the evening previous,) a very happy fraternal reception was given by M. T. Brewer, G. M. W. and his Lady, to the Grand Officers and visiting Members, of the Lodge at the residence of Mr. Brewer.

The reception tendered by Mr. Brewer and his Lady, was a generous and grateful compliment paid the Officers and was an elegant, courteous pleasant and happy gathering of true friends.

Social converse, music and plans for mutual good made the hours pass quickly, and at half past ten P. M. a fine and abundant collation called the happy guests around the "Social Board" where many good and true words said in friendship, love and truth, made the food for the body luscious morsels.

At this festive scene some fifty or sixty guests enjoyed much, so courteously waited on in this year of Liberty to woman, to make guests happy and Mrs. Brewer, Daughters, and several young Ladies, were the enlivening spirits that made the *feast* one long to be remembered.

We know it is customary for the *Press* to give the names of guests present, but our space will only allow us to say, those scenes will all long be remembered by those friends as the Golden Days of February, 1880, a month with *an Extra Day*, specially for good things.

It will be very appropriate for us to say here that Mr. Brewer who has had great honors bestowed upon him by his Lodge, has been elected and chosen as one of the three Representatives on all the Lodges on this Coast, to attend the National Convention of the A. O. U. W's, at Boston on the 16th. of March next, and surely no better Representative could possibly have been elected for the best interest of this rapidly growing Institution. Mr. Brewer is a true Workman, earnestly and heartily engaged in the Cause, honored and loved as a Brother, and holding the entire confidences of the Brotherhood, with a warm true heart and ready words to speak for and defend the Cause he loves. Such will be the Report of his mission that the Lodge of which he is now an honored member will justly feel proud of his mission Report. when he returns.

OUR LEGISLATURE.

We expressed a conviction at the opening of this Session of the Legislature that we had a body of real working men that would do up the work quick and well, and go home at the end of the *Hundred Days*—and we hope still' yet we cannot but deeply regret that some plan cannot be devised by our great *Solons* give to our State more confidence in our Laws, and inspire them with faith of "Better Times Coming"—but alas if we are to believe what our various political newspapers say, there is but little hope left for our City or State, and the "Good Time" will never [illegible]

FROST AMONG THE ORANGE TREES.

That "Jack Frost" did play a sharp and heavy game among the Orange and Lemon trees in many places there can be no doubt, but a little extra care as the season advances and a free use of the pruning knife to out out all the *Poisoned* branches will prompt a new and quick growth, be sure and *cut below* the injured *wood* into healthy wood. This will save the tree, and in a little time all signs of the late injury will have passed away.

Pacific Department
OF THE
London and Lancashire
FIRE INSURANCE COMPANY,
OF LIVERPOOL, ENGLAND.

Value of Stock	250 Per Cent.
Deposited in U. S. Registered Bonds with Insurance Department, over	$550,000 00

STATEMENT, January 1st, 1880.

Subscribed Capital	$7,500,000 00
Of which there is paid up in Cash	$750,000 00
Reserved for Losses in process of adjustment	85,499 50
Losses Resisted	None
Reserve for Reinsurance and all other Liabilities	467,444 84
Net Surplus	407,031 66
Total Cash Assets	$1,709,976 00
Surplus for Policy holders beyond Liabilities in Gold	$1,157,031.

Having been appointed General Agents for the above named Company for the States of California, Nevada and Oregon, and the Territories of Washington, Utah, Idaho and Arizona, we are prepared to issue policies on the usual terms, and receive applications for local agencies.

Balfour Guthrie & Co.
General Agents,
316 CALIFORNIA STREET,
San Francisco, Cal.
P. W. STAPLES, Special Agent and Adjuster. GEO. W. SPENCER, Manager.

SPECIAL NOTICE.
PACIFIC MAIL STEAMSHIP CO.
New York and Panama Line

THE SPLENDID STEAMER
COLIMA
Will sail FRIDAY, March 9th, taking Passengers to NEW YORK via PANAMA, at the following
Greatly Reduced Rates,

UPPER DECK	$85 00
SALOON	75 00
STEERAGE	35 00

Apply at Company's Office, First and Brannan Streets.
WILLIAMS, DIMOND & Co., General Agents.

A Free Book of nearly 100 large octavo pages for the sick. Full of valuable notes on Scrofula; Diseases of Women; Aches and Pains; Heart Troubles and a great variety of Chronic Diseases, with evidence that in most cases, these diseases are curable. Sent for one stamp.
Address MURRAY HILL PUB. CO., No. 129 E. 28th Street, N. Y.
4 9

THE GREAT MEDICINE
PRICES REDUCED

By reason of the Great Success of DAVID CLARK'S EUCALYPTUS REMEDIALS, many persons have compounded various preparations, calling them the *Eucalyptus Medicines*, when in fact they are no more in character, quality and medicinal value as compared to CLARK'S GENUINE REMEDIES than brass to gold.

In order therefore to *Counteract* the great wrong and injury inflicted upon the sick and suffering and as

SOLE AGENTS OF THE U. S.
OF THE GENUINE
David Clark's Eucalyptus Remedials,

We have resolved to offer the
Genuine Medicine
at a
REDUCTION IN PRICE OF 25 PER CENT

Thus Check Mate these Spurious and injurious preparations. All who wish the GENUINE MEDICINES should call at the Head Office, of

WARREN & CO.
Sole Agent for the U. S.
320 CLAY STREET,
San Francisco, California

TO INVENTORS AND MECHANICS.

Patents and how to obtain them. Pamphlet of advice free, upon receipt of Stamps for Postage. Address—
GILMORE, SMITH & CO.
Solicitors of Patents, Box 31, Washington, D.
46:19 tf

GARDNER'S PLACE.

A WELL QUALIFIED GARDINER WHO THOROughly understands the laying out of gardens, Parks and extensive grounds, also fully qualified to carry on a propagating Plant House and a Conservatory.

The Advertiser is familiar with English Scientific Horticulture, and would not object to taking a good situation in Australia, or any place where good work is wanted. Apply at FARMER Office, or address W. G. B.

HUTCHINSON & MANN,
INSURANCE AGENCY.
Nos. 322 and 324 CALIFORNIA ST., - San Francisco

FIRE INSURANCE.

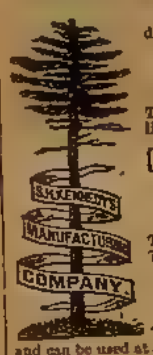
GIRARD	of Philadelphia
HOME	of Columbus
NEW ORLEANS ASSOCIATION	
PEOPLE'S	of Newark
REVERE	of Boston
LA CAISSE GENERAL	of Paris
ST. PAUL	of St. Paul
UNION	of Galveston
TEUTONIA	of New Orleans
BERLIN-COLOGNE	of Berlin
LA CONFIANCE	of Paris

MARINE INSURANCE.

PARIS UNDERWRITING ASSOCIATION.....of Paris
LONDON and PROVINCIAL MARINE INS. Co. London

Capital Represented.....$23,000,000
All Losses Equitably Adjusted and Promptly Paid.

S. H. Kennedy's Mf'g Co.
MANUFACTURERS OF
SHEEP DIPS.
The Largest of the Kind in the U. S.



Please Examine the list of the different dips and prices, viz:

Dissolved Sulphur Dip,
Price, $2.25 a gallon,
This is equal to 30 pounds the best Sublime Sulphur.

Concentrated Extract of Tobacco Dip,
Price, $2.75 a gallon,
This is equal to 40 pounds best Leaf Tobacco.

Non-Poisonous Dip,
Price, $2.25 a gallon,
This is our Favorite Dip, as it Cures Scab and can be used at any degree of strength with safety.

HEMLOCK POISONOUS DIP,
Price, $2.25 per gallon,
And is the Best Poisonous Dip in Use

EACH GALLON OF THESE DIPS
Will make enough for 225 Sheep After Shearing.

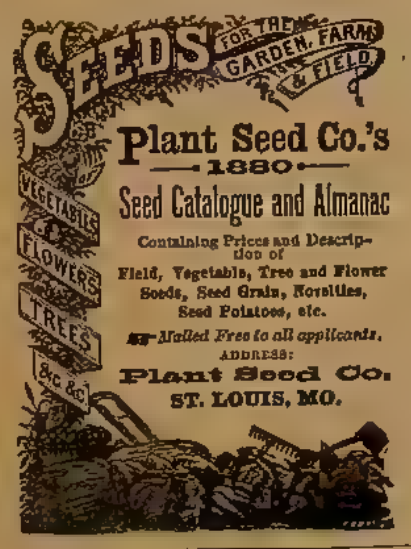
Put up in One and Five Gallon cans with full directions for use.
Pamphlets sent Free to any Address.
Sold by all Principal Dealers in the United States.

S. H. Kennedy's Mf'g Co.,
OMAHA, NEB.

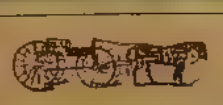
W. H. FLETCHER, Merchant,
Sydney, N. S. W.
AGENT FOR SYDNEY.

Samples of This FAMED DIP Can Be Had at The

FARMER OFFICE,
320 CLAY ST.



Plant Seed Co.'s
1880
Seed Catalogue and Almanac
Containing Prices and Description of
Field, Vegetable, Tree and Flower Seeds, Seed Grain, Novelties, Seed Potatoes, etc.
Mailed Free to all applicants.
ADDRESS:
Plant Seed Co.
ST. LOUIS, MO.



FOUR SPLENDID WAGONS.

Farmers who desire a splendid Single or Double Seated Wagon, of the BEST make and BEST finish, can have a special bargain if they will call at 320 Clay Street, FARMER Office, where style of the Wagon will be shown them, price and terms also. An early call will secure a bargain rarely obtained

CASH FOR ADVERTISING.

We desire it to be clearly understood that those who send us ADVERTISEMENTS FROM ABROAD must send the Cash with the advertisements—if they would have them appear.
We have numbers of advertisements sent us from strangers saying, "*Please Insert and Send Bill*" this we cannot do without CASH, or a special understanding before hand.
WARREN & CO.

PACIFIC MAIL STEAMSHIP CO.

The Steamships of this Company will sail from SAN FRANCISCO, during the year 1880 as follows:
From Wharf, cor. of First and Brannan Sts.

—HOUR OF DEPARTURE, 12 NOON.—

For YOKOHAMA and HONG KONG.

CITY OF TOKIO	CITY OF PEKIN.
March.....20th	February.....7th
	May.....1st

And after May 1st, on the 1st of every month. Connecting at Yokohama with steamers of the MITSU BISHI Co., for

HIOGO, NAGASAKI and SHANGHAE.

For SYDNEY and AUCKLAND via HONOLULU,

Jan 19,	Feb 16,	March 15	April 12,
May 10,	June 7,	July 5,	Aug. 14,
Aug. 30,	Sept. 27,	Oct. 25,	Nov. 22
Dec. 20.			

Round the World trip Tickets, via New Zealand and Australia, $650. Tickets also issued from San Francisco to New York via New Zealand and Australia.

For NEW YORK via PANAMA
5th and 20th of every month.

Taking Passengers and Freight for MEXICAN, CENTRAL AMERICAN and SOUTH AMERICAN Ports.
For HAVANA and all WEST INDIA Ports;
For LIVERPOOL, LONDON and SOUTHAMPTON.
For ST. NAZARIE, and for HAMBURG, BREMEN and ANTWERP.

—FOR—

For Victoria, B. C.; Port Townsend, Seattle, and Tacoma.

Connecting at Tacoma with Northern Pacific Railroad for Portland, Oregon, and at Seattle, with local Steamers for Skagit River and Mines.
On the 10th, 25th and 30th of every month.

WILLIAMS DIMOND & CO.,
General Agents.
San Francisco January 1st, 1880.

FOR SALE.
SPLENDED HORSES, A BARGAIN.

Several very fine Animals of the Best Stock, all offered at good bargains.

An Iron-Grey Stallion, 6 years old and 16 hands high, Weight 1200, pounds; untrained, can trot close to 2.40, sound, kind and gentle; "Messenger" stock.

The Black Stallion "John Wallace," sired by "England Glory," and from an imported mare of 7 years old, 17½ hands high, 1750 pounds, coal black flowing mane and tail. He won great merit last year by a set of the finest colts of this blood.

—ALSO—

One Black Stallion, 8 years old, 16 hands high, weight 1250; has a record of of 2.38, sound, kind gentle.

APPLY AT FARMER OFFICE,
320 CLAY STREET,
San Francisco.

JENKINS' NURSERY,
Winona, Columbiana Co., Ohio.
SEEDLINGS BY THE 100,000.
—FOR—
CALIFORNIA PLANTERS
Seeds and Seedlings by mail.
Apple, and Mazzard Cherry, Sugar Maple, Tulip, Poplar, Linden, Walnut, etc. etc.
GRAPE VINES AND SMALL FRUIT TREES.

— SEND FOR CATALOGUE. —
J. JENKINS,
WINONA,
COLUMBIANA CO.
OHIO.
Address P. O Box 15.

REMOVAL NOTICE.
WILLIAMS, DIMOND & COMPANY
HAVE REMOVED TO THEIR NEW OFFICE
UNION BLOCK
COR. PINE AND MARKET STREETS.
STEAMSHIPS AGENCIES AT THIS OFFICE.

SANTA CLARA VALLEY
Nursery.
Trees, Plants, Shrubs.

I OFFER FOR SALE THIS SEASON A LARGE GENeral assortment of Nursery stock; Fruit Trees, small Fruits, Shade and Ornamental Trees and Plants.
ROSES, in great variety and choice.
APPLE and PEAR SEEDLINGS at reduced prices.
Also the MIPOBOLAN PLUM, which does not sucker.

To parties buying largely I offer special inducements.
Catalogues free on application.

BERNARD S. FOX, Proprietor.
San Jose, Cal.,
Thomas Meherin, Agent.
516 Battery Street.
SAN FRANCISCO.
49:20 3m

W. H. FLETCHER,
Shipping and General Commission Agent,
SYDNEY.

HAVING HAD CONSIDERABLE EXPERIENCE IN the Australian Trade is in a position to purchase and ship Colonial Merchandise and to attend and promptly, to the disposal of Californian Produce consigned to him for sale.

REFERENCES.
HUGH CRAIG, Esq., 307 California Street.
MESSRS. WARREN & CO., San Francisco.
49:1C

HARDY
VARIETIES EUCALYPTUS.

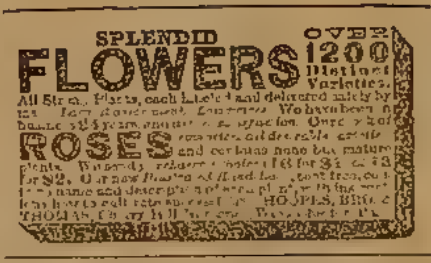
New and hardy varieties of the New Species of the EUCALYPTUS TREE have just been received at our office.

TWELVE VARIETIES,
All HARDY SPECIES, and of a Beautiful Foliage far superior to the Common *GLOBULUS VARIETY.*

Handsome Illustrations of each Variety of these Species and their Nature, Character and Habits, can be seen at our office.

This collection is the BEST and only lot of these NEW and RARE VARIETIES received here.

WARREN & CO.,
FARMER OFFICE.



SAN FRANCISCO CORDAGE CO.
ESTABLISHED 1856.

Have constantly on hand a full supply of all kinds of Manila and Sisal Rope—manufactured from the pure Fibres—and by the latest improved machinery. All our Manila Rope GUARANTEED.

HAY ROPE.

The special advantages of Rope for baling purposes, are the uses to which it can be put after being taken from the Hay—such as for baling straw, tying up Grape Vines, Fruit Trees, for flatters and a thousand other purposes—and can be sold for nearly as much as new Rope. Hay will sell for more when baled with Rope.

FOR SALE BY ALL DEALERS.

TUBBS & CO.,
611 AND 613 FRONT STREET,
SAN FRANCISCO.
49:7

Farmers' Accounts.

WE HAVE OFTEN URGED OUR FARMERS TO KEEP full Records of all their farming operations—keep them in full details in every department of their labor. The number of acres of their farm, when, and how cultivated, the crops put in, their Stock of all grades, the cost of all purchases, the sales of Stock, produce of all kinds, Laborers accounts, Family and Farm expenses in all detail, the weather accounts with every detail, so as to know what is profitable and what is not. Such a record would be of great value to every Farmer.

A new Book for such a Record can be seen at FARMER Office, which we shall be glad to explain and recommend to all—handsomely got up and finely bound. Price, $2.50, worth ten times the cost. 45 21

FREE! FREE!!

A full size "Mirror" sent by mail, post paid on receipt of a 3 cent Stamp. Only a few more left. Address, JOHN J. MAGINNIS, Sandwich, Ill. mention this paper.

The Great Remedy

The Eucalyptus Cure!
DAVID CLARKE'S
Liver and Bilious Pills.
Full Directions for Use Accompany every Box.
—ALSO—
CLARKE'S
Concentrated Compound Fluid Extract
—OF—
EUCALYPTUS
Clarke's
LIVER AND BILIOUS PILLS.

They are guaranteed to contain no preparation of *Mercury or other Mineral*, being made exclusively from choice vegetable extracts, combined in such proportions as to form the most perfect, useful, and natural purgative and tonic medicine ever before introduced. May be taken at all times without danger of taking cold.
They are especially useful in all Female Irregularities.

WARWICK, December 30th, 1872.
To MR. DAVID CLARKE, Chemist, Warwick.
DEAR SIR—During the last nine months I have travelled two thousand nine hundred miles through Northern Queensland. The only medicine I used was your "LIVER AND BILIOUS PILLS," which I took occasionally, and have enjoyed good health since, while others in similar circumstances have been ill with Fever and Ague. I can thoroughly recommend them. (Signed) WILLIAM WATSON.

LONDON BOARDING HOUSE, ALBION STREET,
WARWICK, September 23, 1874.
To MR. DAVID CLARKE, Chemist and Druggist, Warwick.
DEAR SIR—I have been suffering from Indigestion, and all the miserable feelings connected therewith, for the past five (5) years. I have tried nearly every remedy I could hear of, but to no purpose. Having heard from an acquaintance about your "LIVER AND BILIOUS PILLS," I thought I would give them a trial, although I had little faith in any remedy. After using a little more than one box of these valuable Pills, thank Providence, my health became vastly improved. I can now sleep comfortably at night, have a good appetite, and feel altogether a different man.
I give this testimonial unsought, in order that others, suffering as I have been, may be benefitted. (Signed)
JOHN GREEN,
—Tentmaker, &c.

TESTIMONIALS IN CALIFORNIA.

We give but a few of the many we have received—but they are all of the most reliable character.

From San Jose we have a letter from a distinguished citizen who writes thus:

"A lady who had been bodly afflicted with the Rheumatism tells me that the preparations of the Eucalyptus *Has cured her*, and says you are the agent for these medicines—now, such as you have that are good as liniment and internal medicines send me by Wells, Fargo & Co."

The Medicines were sent as ordered and with like success.

An English gentleman, stopping at the Palace Hotel, who had been afflicted with the Neuralgia for *three years*, and never a day free from pain—was entirely cured by using *three boxes* Pills and one bottle Liquid.

YOSEMITE VALLEY, September 17, 1877.
COL. WARREN—*Dear Sir:*
I have given away and used up all the Eucalyptus Medicines which you sent to me. I find that they have been so greatly beneficial in every case that I am very anxious to get some more Pills and two or three bottles of the Extract. I have ever been opposed to taking Medicine if possible to avoid it, but if I must take it give me the Eucalyptus above all others. Yours sincerely,
GALEN CLARK,
Commissioner Yosemite Valley

A highly valuable testimonial has been received at the Agency, which we have been kindly permitted to use, and, coming from so high a source, we feel it a duty we owe to the public to give it the following letter:

SANTA CLARA, SANTA CLARA COLLEGE.
COL. WARREN—*Dear Sir:*
Heretofore we have had no occasion of trying the Eucalyptus Medicines, in Pills or Liquids, but we have commenced to use them, and we find them very beneficial; some of our Fathers find a great relief in their complaints; the consequence is that we want more Medicine, and we ask you to send us One Dozen Bottles of the Liquid, and One Dozen Boxes Pills, and Half Dozen large Boxes, and I shall send you the results. Please send bill. With best wishes for your welfare Yours respectfully,
A. CICHI, S. J.

At later date we received the following, another proof of the virtue of this Medicine:

The Pills we find to be a mild and beneficial cathartic. The Liquid Extract is a valuable Blood Purifier and a good appetizer. A. CICHI, S. J.

The above from Prof. Cichi, the well known and truly distinguished Chemist of Santa Clara College, we esteem an approval of so much value, that all who suffer from any of the above diseases, can be assured of the high merit of the Eucalyptus as a Remedial.

We have the names of scores of well-known citizens at our office, from all over the State, who have been relieved and cured from long and great suffering by the use of these Eucalyptus Remedials.

Those who desire *permanent relief* should bear in mind that there have been many compounds made in this State, mere imitations, sold as the Eucalyptus Remedies—but DAVID CLARKE'S *Australian Preparations* are the only Genuine Remedials that can be relied upon.

Ask your Apothecary to be sure and give you Davis Clarke's Australian Pills—the only genuine.

MANUFACTURED ONLY BY
David Clarke,
Manufacturing and Wholesale Chemist,
AT HIS LABORATORY,
Warwick, Queensland.

FOR SALE BY
WARREN & CO.,
SOLE AGENTS FOR THE
UNITED STATES.

N. B.—Agents wanted in every State, a Large Salary can be made by Active, Intelligent men.

Active Agents Wanted!
FIFTY ACTIVE AGENTS WANTED TO CANVAS THIS STATE AN
FAMED EUCALYPTUS REMEDIALS
THAT ARE NOW ACCOMPLISHING WONDERFUL CURES

This is a grand chance for Men and Women to make a very handsome salary. Apply at
FARMER OFFICE,
320 CLAY STREET, S. F.

Home Miscellany.

"There is no place like home.
Home! It should be Heaven on Earth

NOT IN VAIN.

Once in the lapse of years, I said:
"My soul, thou art alone!
No one to give thy wealth of love;
No one to take thine own.

"Look out upon the earth, O soul,
All underneath God's sky
Send out thy yearning o'er the world,
Some soul may hear thy cry.

"And answer back full jubilant,
Because of waiting long.
And finding thee, draw near, draw close,
To give and take with song.

So throughout weary days and years
I asked importunate
At last an answering cry came back;
Low, sweet and full—BUT LATE!

From out wan gleams and dark ning ways
A soul drew near to mine.
O God of love, it came to late;
This presence so divine.

Hot lips were pressed to lips but once;
Lithe hands clasped tight, in pain;
We whispered: "Patience! Love is giv'n!
No love can be in vain."

HASTY WORDS.

BY ASTLEY H. BALDWIN.

As specks in the sky are the germs of the tempest,
As cloudlets of black spring to birth in the blue,
Harsh words will oft drop, in the wrath of a moment,
From hearts that are generous, noble, and true.

Beware! for words hasty, unmeaning, when spoken,
Have sever'd true friendships in anger and pain:
Ah, if once the sweet links of that gold chain be broken,
No tears, no regrets may unite them again.

No gem was e'er faultless, no joy without sorrow,
No sky without clouds, and no sea without storm;
And it may be that good hearts repent on the morrow,
The words that escaped when the temper was warm.

One word brings another, the stream grows a torrent,
The breeze that was slight in a hurricane ends:
Stay wrath at its birth, then, meet half way each other,
Leave harsh words unspoken, and kiss and be friends.

ONLY A BOY.

BY M. E. HARMON.

I'm only a boy, with heart light and free;
I'm brimming with mischief and frolic and glee;
I dance with delight, and I whistle and sing,
And you think such a boy never cares for a thing.

But boys have their troubles, though jolly they seem;
Their thought can go further than most people deem;
Their hearts are as open to sorrow as joy,
And each has his feelings, though only a boy.

Now, oft when I've worked hard at piling the wood,
Have done all my errands and tried to be good,
I think I might then have a rest or a play,
But how can I manage? Can any one say?

If I start for a stroll, it is, "Keep off street!"
If I go to the house, it is, "Mercy! what feet!"
If I take me a seat, 'tis, "Here give me that chair!"
If I lounge by a window, 'tis, "Don't loiter there.

If I ask a few questions, 'tis, "Don't bother me!"
Or else, "Such a torment I never did see!"
I am scolded or cuffed if I make the least noise,
Till I think in this wide world there's no place for boys.

At school they are shocked if I want a good play;
At home or in church I am so in the way.
And it's hard, for I don't see that boys are to blame—
And most any boy, too, will say just the same.

Of course a boy can't know as much as a man;
But we try to do right, just as hard as we can.
Have patience, dear people, though oft we annoy,
For the best man on earth, once, was "only a boy."

LITTLE BY LITTLE.

When the new years come and the old years go,
How, little by little, all things grow!
All things grow—and all decay—
Little by little passing away.
Little by little, on fertile plain,
Ripen the harvests of golden grain,
Waving and flashing in the sun,
When the summer at last is done
Little by little they ripen so
As the new years come and the ol years go.

Low on the ground an acorn lies,
Little by little it mounts to the skies.
Shadow and shelter for wandering herds,
Home for a hundred singing birds.
Little by little the great rocks grew,
Long, long ago when the world was new;
Slowly and silently, stately and free,
Cities of coral under the sea
Little by little are builded—while so—
The new years come and the old years go.

Little by little old tasks are done;
So are the crowns of the faithful won,
So is heaven in our hearts begun.
With work and with weeping, with laughter and play,
Little by little the longest day
And the longest life are passing away,
Passing without return—while so—
The new years come and the old years go.

WASHINGTON'S BIRTHDAY.

This eventful day in our Country's History has once more been with us that we might as in duty bound pay to the memory of the IMMORTAL WASHINGTON that grateful homage so justly due to Him, and to this Day.

We regret to observe that this year our Citizens did not observe the day with their usual zeal, but we should perhaps say that as the day was unpropitious and stormy it detracted from those observances that might otherwise been given to it. As it was however, many true hearts honored and observed the day with becoming respect.

FOR CATARRHAL and Throat Disorders "*Brown's Bronchial Troches*" are renowned and marvellously effective, giving immediate relief in most cases.

Home Correspondence.

VALUABLE TEACHINGS.

[The following valuable letter addressed to the Farmer *twenty years ago*, was mislaid and just come to hand, it was to good to be lost, and we give it now. ED. F.]

QUIETUDE, JAN. 5th, 1860.

Betty Breeze, what a knowing girl you seem to be, if one may judge from your Chow-Chow. You have got possession of all the Masculine *Cant* of the day relative to woman's propensity as a very perverse sort of creature. You know all about the weakness of men in being cajoled by woman's ingenuity, by woman's pretending blindness when she ought to see, by her mock pretentions to no individualism, and you have learned all this and much more, and you yet a young girl, why Betty you talk as if you had managed a dozen husbands all by yourself, what a sad thing it would be Betty if you should some day get a husband who wished you, (as many husbands often do) to see with his eyes, to enjoy to ecstacy that which he chose as enjoyment or happiness, to relish his goings out for amusement as well as though you were taken out yourself, and if his boots cramped his toes to make you feel the pinching in the form of angry ebullition.

Ah Betty, you would feel the cramping of the boot full as much as he did, perhaps more, his *foot* hurts, yours would be the *heart ache!* again you would be blind to all his manœuvering when he allowed you to walk out with him. Betty why do you write about such things, are husbands in the habit of such things as you speak of, looking at pretty girls, fie upon you, what a girl you are, don't you see the mischief you will do, you will just cause the wives *instanter*, to be looking after the moral manners of their liege lords, and I'll tell you they will be apt to judge the poor husbands of smiling toward a pretty woman when he don't, no such thing as their not seeing. No, their sight will be acute to very sensitiveness, and when he goes out alone they would always be found sitting at home taking pleasure in nursing his babies.

No Betty, they will leave that pleasure for a hired girl's amusement, and she the mother, will go somewhere, to the theatre perhaps—anywhere, happiness is what she seeks, somewhere else than at home she looks for it, until when? until perhaps she has no home, may be no husband either, where will the children of the two be while the parents seek pleasure out, instead of at home, and its most tender associations? often in the street, or at home but little cared for by either father or mother, only that they appear to company in the most approved style, the heart affections chilled toward those who gave them being in a mortal life, by the very course that many pursue toward them, in teaching them anything, and everything fashionable no matter how false, how insincere—no matter if they can only go through parrot like, whether the higher, holier, better powers wake or slumber, all is well, the children are the greater sufferers, but Betty I cannot direct mothers to do one way believing they would take the opposite of my directions, as you say you will.

I tell you, Betty, woman is not such a terrible piece of perverseness that there are none to heed "Common Sense," my private correspondence is proof of this to me, there are many, very many women in California who, had they been properly taught the realities of life, instead of its fashions or follies, in putting on a character as foreign to their own natural one as can well be imagined, who would have bourn better the test of moral courage when the realities of life began to cluster around them, calling for exertion of mind and body, how many have been found who had courage to meet reverses? how many to pass by a husband's cool desertion and not know that woman has an individual existence as well as man, then why not treat them with the same consideration as a man is treated with, not always speak of woman as if she was a something made up of contraries, hard to comprehend, predispositions uncontrolable only by resort to a practice of duplicity—direct her to take one course when you wish her, and it is the right for her to take the contrary, doubtless when woman does take the opposite course to the one dictated, it is when she has some such counsellor as Miss Betty says she is going to be, who only mocked them by a species of open derision in counsel, and they showed themselves wise in showing a disposition to go in the opposite direction in their manner of life, even though they were accounted contrary therefore, Betty Breeze, don't you believe that sober earnestness in appeals of truth will outlive all such insulting mockings as giving them, to understand that they are esteemed unapproachable with common sense, but ready to adopt common sense conduct, only when directed or advised to take a course fraught with evil to themselves, and families.

Betty, let an old woman tell you how you have made such a mistake as you have about woman's nature, if one goes to work to advise woman even mockingly to the reverse of what they may desire her to do, it will rouse her to reflection she will begin to reason on the subject, and that from cause to effect, she will arrive at her own conclusions and mark her own future course independently, the only reason why this was not done before, such advice was the want of reflection, women do not all of them think of the consequences of sending children into the street or to neighbors to be rid of them, but there are ways of rousing them by directing them to think, without insulting them by directing them the opposite of what we esteem the right, beside this, Betty, Mother Ruth's conscience would not allow her the privilege of thus dealing with her own sex. She looks upon woman as a part of national humanity, and will speak to, and speak of, and write of woman as if susceptible of common sense, no matter, if it is in this enlightened Nineteenth Century.

Betty you may grow to a storm of intelligence by and by, you may blow around all the old thread bare notions of a class of men respecting the perverse nature of woman, and stir a gale, touching man's weak points (I mean those who wish submissive cajoling wives,) but after all it is best to be a truth loving, a true counsellor to both man and woman, the age has come when the reason of both sexes asks, "What is truth!" it is seeking the good and beautiful in humanity: many are the inquiries after good in our day although there are still thousands who are too busy in pleasure seeking yet, to think of anything else—go Betty, waken them up to duty, unfulfilled duties of life, if you can, rouse them to common sense, instead of wasting health by imprudence, and remember, Betty, such as can give truth and sincere counsel are a woman's truest friends.

MOTHER RUTH.

THE HEART AS MACHINE.

The heart is probably the most efficient piece of physical apparatus known. From a purely mechanical point of view it is something like eight times as efficient as the best steam engine. It may be described mechanically, as little more than a double force pump furnished with two reservoirs and two pipes of outflow; and the main problem of its action is hydrodynamical. The left ventricle has a capacity of about three ounces; it beats 70 times a minute; and the work done in overcoming the resistance of the circulating system is equivalent to lifting its charge of blood a little short of ten feet (9.923 ft.) The average weight of the heart is a little under ten ounces (9.39 oz.). The daily work of the left ventricle is, in round numbers, ninety foot-tons; adding the work of the light ventricle, the work of the entire organ is nearly one hundred and twenty-five foot-tons. The hourly work of the heart is accordingly equivalent to lifting itself twenty thousand feet an hour.

An active mountain climber can average 1,000 feet of ascent an hour, or one-twentieth the work of the heart. The prize Alp Engine, "Bavaria," lifted its own weight 2,700 feet an hour thus demonstrating only one-eight the efficiency of the heart. Four elements have to be considered in estimating the heart's work: (1) the statical pressure of blood column equal to the animals height, which has to be sustained; (2) the force consumed in overcoming the inertia of the blood veins; (3) the resistance offered by the capillary vessels; (4) the friction in the heart itself. This, in a state of health, is kept at its minimum by the lubricated serous membrane of the pericardium.

A NOBLE WOMAN.

A GOOD WIFE.—A translation of a Welsh Triad:

"She is modest, void of deceit, and obedient.

"Pure of conscience, gracious of tongue, and true to her husband.

"Her heart is not proud, her manners affable, and her bosom full of compassion for the poor.

"Laboring to be tidy, skillful of hand, and fond of praying to God.

"Her conversation amiable, her dress decent and her house orderly.

"Quick of hand, quick of eye, and quick of understanding.

"Her person shapely, her manners agreeable, and her heart innocent.

"Her face benignant, her head intelligent, and provident.

"Neighborly, gentle, and of a liberal way of thinking.

"Able in directing, providing what is wanting and a good mother to her children.

"Loving her husband, loving peace, and loving God.

"Happy the man who possesses such a wife."

Laws of Creation.

The failure of an individual to reproduce features that are peculiar to itself, or of a pair of individuals, distinguished for the same peculiarity, to transmit it to the offspring, should excite no surprise in the mind of the breeder. Heredity transmits with certainty only what has become a fixed character in the race of breed. Sports, accidental variations, and individual peculiarities only occur in opposition to this law, and their transmission is uncertain. Heredity may be depended upon to govern the general characteristics that determine the race, and the less general ones that distinguish the breed; but when we come to individual characteristics, which have never acquired a general character in the ancestry, it frequently fails. In short the transmission of the great share of all the characteristics is a thing of universal occurrance; but their transmission *in toto* is an idle conception that is never realized; and only in proportion as the ancestry has assumed a fixed and unvarying type do we find this ideal effects of heredity approximated.

Education.

Some months since we received from Prof. E. S. Carr the last report from his bureau, giving interesting and detail reports and statistics of the funds for each county, and the number of children in each. As Professor Carr and his Lady, have laid aside the robes of their office, it is but a fair and just tribute to pay them for years of arduous and faithful labor, to say they have done more to advance the cause of education and to awaken our people to a proper sense of the importance of education, than was ever done by those who preceded them. Let justice be accorded them, and bestow honor where honor is so honestly due.

Prof. Carr and his worthy Lady are now on their farm among the orange groves, may their harvest of luscious fruit ever be abundant to reward them for their years of labor in the cause of Education and Humanity.

CURE FOR INTEMPERANCE.—We have received a very interesting little work of 80 pages by Harriet P. Fowles, of New York, (M. L. Holbrook & Co., Publishers), the title of the book is, *Vegetarianism the Radical Cure for Intemperance*, a series of articles presents many strong and forcible arguments to favor the trial, and strong proof is given of the certainty of the cure—surely it should be tried.

For him who does everything in its proper time, one day is worth three.

OLD LETTERS.

Never destroy letters, especially if they are rom friends, kindred, or from important business connexions, for it is often found that such letters prove of inestimable worth in a business point of view, and often in the changes of life's history, or the history of every country. *History repeats itself*, and old letters often prove this.

The letter we give below is a proof of this, by its date it will be noted that it was written at the beginning of the last Struggle for the *freedom of the Slaves* that preceded our Civil War, the letter marks that spirit, this was twenty years ago, and all can well remember the feeling then.

No one can deny but that we have now about us great cause of anxiety arising from many sources and like this writer of twenty years ago, we would ask must our nation pass through more great trials? REFORM is needed, but those who labor for social improvements, as the writer says, are called *Lunatics*—and yet Reforms must come, or our Government falls, but we too, ask, When? Where? How?

We give the Letter *from Boston* alluded to.

Boston, February 23, 1839.

I find myself in Boston safe and well, and as I am from New York sometime, I concluded to inform one side of the triangle of my where abouts that the whole may through this side be informed. I write you because this side of the musical department I have never before addressed. On arriving here I find matters better than I anticipated, yet find it necessary as usual to excommunicate what is left of the Diamond Dust I had on hand, to keep all thing right, till I could make a shift of property. I hope to succeed and soon be bound homeward but cannot tell when or how. What untold worlds of glorious uncertainty hangs over every stream on which we float in this world, the haze of disappointed hopes hang low above us, beclouding the visions which our minds have drawn of a beautiful future, of happy homes, loving hearts, beautiful flowers, luscious autumn fruits, and delightful moments spent in the society of the dearest friends and amid the beautiful scenes described, while

The stream of time glides smoothly on,
Nor ruffles by the way,
But peacefully floats us on through time
To everlasting day—
Oh if the clouds would only break
And we could see afar,
We'd catch a glimpse of future homes
In every twinkling star.
Oh if our way could be so bright
On Earth, not tinged with sorrow,
Then we'd be blissful here to stay
And hopeful for tomorrow.
But now we struggle on in life
In every turning page
"Our wishes with our lot at strife
Through childhood to old age."

I did not think of Poetizing when I commenced but my soul left to float finds its way to moralizing and meditation which seems to be its natural element, while melancholly sits by with drooping eyes watching the thoughtful moods of your humble servant and friend. But time rolls on and the day of life is fast passing away. I feel it, I know it, and I would rise up and strike for the freedom of my race from thraldom, worse than Egyptian bondage, my soul looks on the past and sees hundreds of reformers who have lived and died working out their lives without making even an impression, then again my soul sees poor degraded man satisfied with his low state of degradation and misery. Mankind do not want reforming, and he who would *spend himself* his *life* his *fortune* in the effort, is branded *Lunatic*, and at once his influence is gone forever.

Oh why! When! Where! How! Are the questions I ask day by day, and Echo only answers Why! When! Where! How! and to and fro it waves from point to point and finally dies away in dim uncertaintiy and its last echo says, Why! When! Where! How! My questions remains unanswered and probably will till the day of judgement. My soul reaches forward till it looses itself in the dim uncertain imaginings of its own creation, in its vain endeavors to reach the why, the when, the where, the how.

But I must tear myself away from this dreaming melancholy, from all realities except a glorious future, when the "good time coming" arrives. But it can never come through my agency, no, never,

A chip I float on billowy seas,
Until water-logged I sink.

I have just a few minutes since returned from Plymouth, where I saw the rocks on which our *Pilgrim Fathers* landed, pretty hard looking spot of land. Pretty hard looking land to live on, they lived out their reforms by coming away from the haunts of beastly men, to live among the beasts of prey, and the less savage natives of the forest they ran away from civilization for the privilege to worship God, Oh, what does this say of reform? volumes of thought might be prodced from this one circumstance, and are the world changed to-day? nay, not a tittle of the oppression of a fellow-man is abated, it is only changed, while its influences remain. I saw the original Charter, I saw the original deeds, schedules of personal property, &c., all deeply interesting. Would to God the honesty and simplicity which marked them was every where to-day, these were martyrs in the cause of reform, these struck out a new track, and suffered and died to sow the seed of Truth, Righteousness and Freedom, giving their bodies to decay that the "Tree of Liberty" might be nourished upon the nation of which they were composed.

Such is the history of all reformers, and only can reform live by sending the finest of fibers of their roots through the decaying bodies of their projecters, will this be our fate? in this life? Oh, Why, How, When, Where.

Your Friend,

* * *

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We would ask all our readers who have kindred and friends in the Eastern States or in Europe who feel an interest in California, its wonderful progress and its productions, to send to their friends a California newspaper?

We now wish to call their special attention to the good they can do by sending to them the JOURNAL as the CALIFORNIA FARMER. We think our JOURNAL is hailed with a pleasurable interest in every State in the Union, and in Europe is welcomed into the HOME CIRCLE everywhere. The JOURNAL free from all impure and objectionable reading matter or advertisements.

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Miscellany.

Gatherings along the way side,
Floating gems by every tide.

FUNNY ITEMS SELECTED.

A classical student: You ask "if Atlas supported the world, what supported Atlas?" The question, sir, has often been asked, but never, so far as we are aware, satisfactorily answered. We have always been of the opinion that Atlas must have married a rich wife and got his support from her father.

A conceited young man, in talking with an aged clergyman, said, with a most dogmatic air: "I will never believe anything which I cannot understand." The old clergyman mildly responded: "Well, young man, it is probable that your creed will be a very short one."

An anecdote is told of a judge, profane and irreverent, who never let a meal pass without a sonorous invocation upon the repast. Once he rebuked a guest who innocently interrupted him while thus engaged, as follows: D—n it, don't you see that I am saying grace?"

There is one thing that the eye of mortal has never beheld, asserts the Pittston *Press*, and that is a fat skater who fell down because he could not get up. He always look around with an air of importance, and then fixes his skate strap, and does not rub the place that hurts the most until he is sure no one is looking.

Preaching by Note.

A CLERGYMAN in the west of England, who had a gift but that of extemporaneous speech, has recently announced to preach the principal sermon in an octave, the announcement drawing a large audience. To his horror he discovered that he had left his manuscript in his study, twenty miles away. Growing desperate he gave out the text he had intended to preach from and proceeded:

"In the first place—I should have remarked, that it was then my intention to point out, etc., which I would have gone to indicate," and so on. It was all over in a quarter of an hour, and the congregation in those fifteen minutes had a very lucid explanation of a discourse which, if it had been delivered as it was written, could not have been gone through in fifty minutes.

The Logic of Tramps.

"Saw wood! Saw wood for my dinner!" said a tramp with a look of horror. "Not much I won't. It isn't that I object to work, I yield to no man in respect for the God-given privilege of earning my sweat—I mean sweating my earnings by the sweat of my brow, I mean, by the brow of—you know what I mean. I am ready, nay, anxious to work. Give me a hay to spread, right out here in the snow. Show me where there is a stone wall to lay—behind. Anything but wood. Go to the most distant way to devastate the mighty forest of the broad land that the Almighty meant to gather rain and induce the reviving rain to fall upon the moist earth. Why do you know that this continent is doomed to become an arid desert if this destruction goes on! It's a fact, and I won't be a party to it. No forests, no rain—everything dry—dry as I am. I decline the responsibility for it. If you've got some coal to carry in, and I'll see if I can't send you a boy to do it, but no wood-sawing for me, if you please."

When bent on matrimony, look more than skin deep for beauty, dive further than the pocket for wealth, and search for temper beyond good humor of the moment, remembering it is not always the most agreeable partner at a ball who forms the most amiable partner for life. Virtue, like some flowers, bloom often fairest in the shade.

"Be careful how you punctuate that stove," is the latest one. It means not to put too much coal on.

By dodging down a back street many a culprit has proved an alley by.

BENEFITS FROM THE EUCALYPTUS.

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The *Globulus* alone however good *that variety* may be, cannot and does not make the Great Remedies, as prepared by David Clarke, the Chemist of Warwick, who by many years of study and skill in combining the different varieties of the Eucalyptus virtue, has secured the best preparation known, the world over.

It is important that all who suffer should use these preparations, and DAVID CLARKE'S is the best and only reliable preparation, as can be proved by hundreds of Testimonials in this City.

A Key to Ghostism.

Here is [illegible] something new, for the people have long been [illegible] to seek the mysteries of *ghostism*, and this book [illegible] them.

It is prepared by the Rev. THOMAS MITCHELL, of [illegible] New York, and he being a Clergyman, all the book [illegible] is true, the fact is, this book of 250 pages, handsomely [illegible] and is so good, so interesting, that all who have a [illegible] Marvellous, and wish to Unlock the hidden Mysteries of Centuries, can do so, if they will go and buy this book.

It is published by Messrs. S. R. Wells & Co., New York, and for sale at all Bookstores, It will have a large

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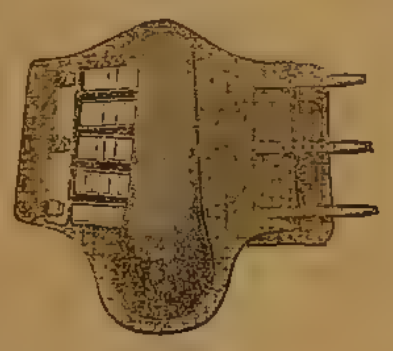

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NOW

Established Nearly Twenty-Five Years.

The class of advertisers now in our columns is a guarantee that the FARMER advertises for the *Best Houses* among our business men, and we advertise for none but the best, and such as we can earnestly and conscientiously recommend to our patrons abroad as well as at home.

Our Grand Pacific Railroad

And its numerous branches and connections over our State, gives a speedy movement to business of all kinds, and is greatly enlarging the sales of all kinds of merchandise. We, therefore, invite all who wish to make their business widely known to advertise in our columns.

MANUFACTURERS OF AGRICULTURAL IMPLEMENTS,

Stock Raisers, Nurserymen, Booksellers, Seedsmen, Florists, Inventors,

And all who desire to open up their business with the PACIFIC COAST, can have no better way than through our columns.

The trade between the Eastern States and California is largely increasing, while the trade of the Pacific Coast is greatly expanding—reaching to China, Japan, Australia, Mexico, and the Islands of the sea. Thus, California will be

ONE OF THE LARGEST MARKETS FOR ALL KINDS OF TRADE,

And they are wise who open up a trade here.

The AGRICULTURAL TRADE OF CALIFORNIA is a PERENNIAL TRADE, lasting all the year. Our GREAT PLANTING SEASON is *three or four months earlier* than New England therefore, EASTERN ADVERTISERS should make known their business early.

OUR TERMS OF ADVERTISING:

LINE ADVERTISEMENTS REDUCED.

The charge for advertising in the FARMER is as follows: All Line advertisements will be One Dollars for Five Lines, of Nonpareil, *first insertion*, large or small space. Fifteen Cents per Line, each subsequent insertion Ten Cents per Line. This offers the best and most reasonable rates, giving to the FARMER as a wide circulation as its patrons. It is the VERY BEST MEDIUM to reach the best patrons of the agricultural community.

FOR LARGE ILLUSTRATED AND DISPLAYED ADVERTISEMENTS:

For one-sixth of a column, three months, $20.00.

For one-eighth of a column, three months.....$10.00 | For one-half of a column, three months.....60.00
For one-quarter of a column, three months.....30 00 | For an entire column, three months.....100 00

For a single month, half the rates of three months.

For special advertisements and for advertisements placed in the reading columns, twenty-five per cent extra. It must be specially understood that these rates are invariable—unchangeable—the same rate and terms to all alike. ADVERTISEMENTS ALWAYS PAYABLE IN ADVANCE, (unless specially agreed otherwise).

CASH must accompany all Advertisement received from Abroad to insure their insertion—and at the above rates.

WARREN & CO., Proprietors,
320 CLAY STREET, SAN FRANCISCO.

COMMISSION
SALES-ROOM,
—AND—
Purchasing Agency.

HAVING HAD THE EXPERIENCE OF OVER THIRTY years in dealing in TREES, PLANTS, SEEDS, and AGRICULTURAL IMPLEMENTS, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We would therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of MERCHANDISE for our FARMERS or RANCHMEN, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing their wants as minutely as they can; and when they desire our Judgment we do our best to suit them.

Our charge will be Five per cent., together with the cost of packing, freights, drayage, etc. Orders should inclose a satisfactory REFERENCE or the CASH; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of TREES, SEEDS, PLANTS, etc., as this is our especial business and we know we can satisfy all who may entrust us with their favors.

Gardens and Grounds designed and put in order, and every article furnished for the same.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

Silk and Tea Culture.

A PRACTICAL TREATISE ON

SILK CULTURE

AND ALSO UPON

TEA CULTURE.

A Neat Little Bound Volume of NEARLY 100 PAGES. A work prepared by T. A. KENDO, who it will be recollected started the Enterprise of Tea Culture in this State, at Placerville, some years ago. Price Fifty cents.

Forest Tree Seeds!

THOSE WHO DESIRE COLLECTIONS OF "FOREST TREE SEEDS" can always secure such collections of the very best—with choice kinds of "FOREIGN TREE SEED" also, and particularly as above.

RARE AUSTRALIAN SEEDS.

BIG TREE SEED

A lot of the BIG TREE SEED fresh and pure just received from the Forest.

Eucalyptus Trees!!

EUCALYPTUS TREES 8 to 10 feet high,
LARGE TREES 6 to 8 feet high,
MEDIUM TREES 4 to 5 feet high,
SECOND SIZE 3 to 4 feet high,
THIRD SIZE 2 to 3 feet high,
FOURTH SIZE 1 to 2 feet high.

These trees are of a good healthy growth, and can be packed to go any distance safely, and will be sold low in large lots. Also

EUCALYPTUS SEED

ALFALFA.

CALIFORNIA ALFALFA to be had in SMALL or LARGE LOTS, of the best quality.

Bee Hives for Sale

A few very fine Patent Bee Hives of the most approved order and style, both for the welfare of the Bees, the Storage of the Honey, and the Brood Comb—and also for the convenience of taking out Honey.

WARREN & CO.,
320 Clay Street,
SAN FRANCISCO.

EUCALYPTUS OIL.

The PURE EUCALYPTUS OIL prepared by DAVID CLARKE, Chemist, Warwick, Queensland, just received and for sale for Druggist's use.

This Oil is used as a Liniment for RHEUMATISM, BURNS, SORE THROAT, and CONTRACTED SINEWS. A Grand Liniment for External Use, and should be kept in every family.

This OIL is valuable upon a "STOCK FARM" for all animals where Liniment is needed, as it has been proved to be the best Liniment known.

FOR SALE,
Wholesale and Retail,
WARREN & CO.,
320 Clay Street,
AGENTS FOR DAVID CLARKE'S REMEDIALS.

Australia and New Zealand!

IMPORTANT INFORMATION.
Just Received at this Office
CLARKE'S
ILLUSTRATED QUEENSLAND
ANNUAL.

Containing valuable information relative to that great and wealthy section of country, and of importance to our Merchants, especially to all who do business with that country

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

CORRECTED BY EDITOR FARMER

SAN FRANCISCO, February 20, 1880.

Money and Exchange Tables.

Exc. on England, new style, long and short	$ 83a $ 80
Gold, at par	— 1 00
Silver, at par	—20 00
Value of Greenbacks, equal to Gold	— 1 00
Value of Wheat in Liverpool	10s 3d 10s 6d
Value of Club Wheat in Liverpool	10s 8d.a 11s 4d.
Value of Wheat in New York, bushel	1 45 — 1 50
Brewers Barley in New York, bushel	1 00 — 1 10
Wool in New York	25 — 40

MONEY AND EXCHANGE TABLES.

The condition of the *Money Market* has not changed for the better since our last issue, but remains, *as was*. *Money* is a *drug*, a *dead weight* in the Bankers and the Capitalists hands, there seems to be no desire among the masses to make any investment or to enter into any new operation or business of any importance to long as we have no more *Morals*.

It is very evident that the present state of affairs cannot long continue, old business men, Capitalists, and capital is fast leaving us, and some action must be had if we would preserve the Integrity of our City and State.

The *Real Estate interest*, is *No. Building* is *Nil*, and business generally, is *Nil*. *Money* is of only nominal value in such a state of things—while we are thus demoralized in business. *Money* is not wanted in business—even it the is boring classes "*Cry for bread.*"

Money was never so cheap, so abundant, not only here but in all the States, and all over Europe, it is the same.

The whole business community seem to be waiting for *something to turn up.* Will it be an *Earthquake*)

We need *some kind of quake*—to give new life.

GRAIN AND FLOUR MARKET

Our *Grain market* is now as still as all other kinds o trade, and those grain growers that could have sold at 2 06@ 2 10@2 15 and have been fascinated with the "Hold on" doctrine, will now see their error for the news from all the "Markets of the World" now heralds lower values and a lessening demand.

The *Grain market* will now shade downward till the next harvest, the certainty of an immense harvest here the coming year, and a much larger amount of grain *now on hand*, than was dreamed of, must send prices down.

There is less desire to *Export grain* now, for it would go to a falling market, and this must affect the price here, and to this, the knowledge that there is an immense surplus in the old States that is now going to Europe, this too, to further depress the markets there.

"Wisdom, is the better part of Valor," and the quicker we change our *Wheat*, and grain of all kinds and all our produce into Coin the better for us all.

There is not as much *Flour* sent abroad now as in past weeks, as all the trade in *Breadstuff* is very dull, and will continue so, although Oregon is still sending us more or less of her surplus stock, prices of Flour is much lower and will be *less*.

The market for *Barley* is again lower, in fact no sale or demand. *Oats* are steady, but not active, like all other produce, so with these, inactivity prevails.

The trade in *Rye* and in *Buckwheat*, little doing, small arrivals, small sales.

The trade in *Corn* is a little better, but no great movement.

All the *Feed Grains* and *Hay* show a dull trade and generally lower prices, and slower and light sales.

The *market for Potatoes* is very dull, and prices low, and the long wet season exposes them to decay and forces them on the market.

The *market for Beans* is well supplied and with liberal additions constantly, some go abroad, but the prices are steady.

The *Hop market* is now lower—and but few in this market —none to ship. We call special attention to the *Hop market of New York*, in our columns this week.

The *market for Honey* is rather short of supply and price a little better. *Beeswax* the same.

Wholesale Grain Report.

Wheat California, per 100 lbs. Common	1 75 — 1 80
do Choice do	1 85 — 1 95
do Milling do	1 92½ 1 97½
Barley, per 100 lbs., feed	70 — 75
Barley, for brewing, (Chevalier)	1 65 — 1 75
Rye	1 10 — 1 20
Oats, California, per 100 lbs.	1 35 — 1 50
Corn, do. do.	90 — 1 05
Flour, Superfine, per bbl	4 00 — 4 25
do Extra	5 00 — 5 50
Extra Flour for shipping	5 25 — 5 50
Very Extra Family Flour	6 00 — 6 50
Oregon Superfine	3 75 — 4 00
Extra for Shipping	5 25 — 5 75
Corn Meal per 100 lbs.	2 00 — 2 25
Buckwheat per do	1 85 — 1 90
Bran per ton	12 00 —13 00
Middlings per ton	19 50 21 00
Ground Barley	17 00 —18 00
Oil Cake Meal, for feed, per ton	—34 00
Beans, per 100 lbs, various	1 25 — 1 50
Beans, Lima	6 00 — 6 75
Potatoes, common	25 — 30
Potatoes, choice	00 — 00
Early Rose	30 — 40
Sweet Potatoes	1 40 — 1 50
Onions, new	1 75 — 2 00
Hay per ton, ordinary	7 00 — 9 00
Hay per ton, extra	10 00 —14 00
Wheat Hay	11 00 —13 00
Alfalfa Hay	—
Straw per ton	4 00 — 5 00

Retail Prices in the Fruit Market.

Our *Fruit market* shows well, even amid the cold rain the frost, and also the ice, which has been more severe than we Californians accustomed are to.

At present we have fine apples and a few fine Buerre pears. With a full supply of Nuts, Raisins, Figs, and a choice lot of our California Oranges, Lemons, Limes, etc. although "Jack Frost" was rather severe on our "Orange Groves" in our Southern Counties, as well as all over our State. Injury in many places, but they will recover.

Apples, per box	75 — 1 50
do. do. lb	6 — 8
Pears, per box	1 00 — 2 00
" per lb	6 — 6
Figs, dried, per lb.	10 — 12
Australian Oranges, per doz.	50 — 50
Tahita Oranges " "	20 — 30
" Lemons, " "	20 — 30
Lemons, imported, " "	30 — 50
Limes, do. do.	20 — 25
Pine Apples, each	50 — 1 00
Bananas, per bunch	2 00 — 3 00
California Oranges, per dozen	30 — 1 00
" Lemons, "	30 — 50
" Limes, "	15 — 25
California Walnuts, per pound	8 — 12
Almonds, hard shell, per pound	12 — 15
do. soft shell, do.	15 — 18
Foreign Pecan Nuts	12 — 15
Madeira Nuts	12 — 15
Foreign Brazil Nuts	15 — 20
Filberts	12 — 15
Chili Walnuts	8 — 12
Italian Chestnuts	— 30
American "	— 20
Pea Nuts	8 — 10

Retail Price in the Vegetable Market.

The display in our *Vegetable market* is enough to satisfy all our housewives, for they can find all they wish and at a very low price too.—Our markets are full of good things.

Artichokes, (French) per doz.	10 — 15
Beets, per doz	— 25
Broccoli, each,	8 — 10
Cauliflower	8 — 30
Cabbage, do.	8 — 10
Carrots, per doz.	75 — 1 00
Celery do.	— 75
Celery Root per dozen	10 — 12
Cress, per dozen bunches	50 — 75
Cranberries, per gallon	30 — 40
Dried Herbs, per doz.	10 — 12
Lettuce per doz. bunches	4 — 6
Onions per lb	10 — 12
Horseradish, per lb	— 50
Okra dried, per lb	14— —
Choice Potatoes	2 — 3
New Potatoes	1 00 — 1 50
Potatoes choice, per 100 lbs	2 — 3
Kidney Potatoes, per lb	1½— 2
Pumpkins	— 15
Parsnips, per doz. bunches	— 15
Salsify, do. do.	15 — 20
Parsley, do. do.	40 — 60
Pickles, per gallon	— 8
Radishes per doz. bunches	2 — 3
Squash, Marrowfat	2 — 3
do. Hubbard	8 — 10
Lima, Dry	— 8
Spinage per lb.	4 — 5
Salsify, per bunch	— 15
Turnips, per doz	8 — 10
Garlic	15 — 20
Eschalot	12 — 15
Mushrooms	— —

Fish Market.

The *Fish* market offers a great variety of every kind that any taste may crave.

Salmon ₱ lb	8 — 10
do smoked new	6 — 8
do pickled, ₱ lb	15 — 20
Lake Bigler Trout each	20 — 25
Lake Bigler Trout, extra	20 — 25
Halibut	— 10
Smelts, per lb	— 10
Perch do.	— 10
Rockfish do.	— 10
Codfish, dry, per lb	— 8
Herring, fresh, per lb.	— 25
do smoked, ₱ doz	— 12
Tomcod, per lb	— 10
Sardines, fresh, per lb	15 — 20
Soleish, per lb	— 25
Mackerel pickled, each	8 — 10
Shrimps, per ₱	12 — 15
Flounders do.	16 — 20
Sea Bass do.	20 — 25
Halibut do.	3 — 4
Sturgeon do.	25 — 30
Turbot do.	2 50 — 3 00
Terrapin, ₱ doz.	2 00 — 2 50
Pompono do.	— 25
King Fish do.	12 — 15
Anchovies do.	2 00 — 2 50
Frogs, per doz.	— —

Shell Fish.

The *Shell Fish market* now gives to the *epicure* all he may crave. As fine *Bivalves* in our markets as in any market in the Eastern Cities.

Oysters ₱ 100 choice	60 — 75
Chesapeake oysters per dozen	50 — 75
Crab Fish, per lb.	12 — 15
Clams per 100	— 50
Mussels do	— 25
Crabs, boiled, each	— 50
do. soft, per doz.	— —

Retail Meat Market.

The *Retail Meat markets* shows a well supplied market and complete as any Meat Market in our Union.

Porter House	15 — 15
Porter House, extra	18 — 20
Beef, tenderloin, per lb	15 — 15
do sirloin and rib pieces	12 — 15
do corned	8 — 10
do smoked	10 — 12
Pork, ribs, etc., per lb	10 — 12
do chops	10 — 12
Veal, per lb	8 — 10
do cutlet	12 — 15
Mutton chops, per lb., extra	8 — 10
do leg	10 — 15
Lamb, per lb., extra	6 — 8
Lamb, usual	— 75
Beef tongues, each	— 15
Pigs tongues, each	12 — 14
Bacon, California, salt per lb	12 — 13
do do smoked	15 — 16
do do sugar cured	15 — 16
Hams, California	15 — 15
Choice hams, Duffield	15 — 16
Whitaker, St. Louis, Mo	15 — 16

Poultry and Game Market.

The *Poultry Market* is well supplied and the demand keeps up with it so as to make prices steady.

Game of all kinds is very abundant, and prices low enough to satisfy the closest purchaser—no person need go hungry now with our markets so full, and prices so reasonable.

RETAIL PRICES.

Ducks tame each	75 — 90
Small Ducks per doz	1 50 — 2 50
Geese tame, per pair	40 — 50
Broilers	75 — 87
Large Chickens, each	87½— 1 00
Hens, each	10 — 12
Turkeys, dressed, per lb	16 — 18
Pigeons, domestic, per doz	4 00 — 4 50
Quail, per doz	1 50 — 2 00
Hares each	25 — 33
Rabbits, tame, pair	50 — 75
do wild, per doz	1 75 — 2 00
Venison	10 — 15

Poultry and Game—Wholesale.

Broilers, per doz	3 00 — 4 00
Large Chickens, per doz	5 00 — 6 50
Hens, per doz	6 00 — 7 50
Turkeys, dressed, per lb	14 — 15
Ducks, tame, per doz	5 50 — 7 00
Small Ducks per doz	1 00 — 1 50
Quail, pe. doz	75 — 90
Geese, tame, per pair	1 50 — 2 00
Pigeons, domestic, per doz	3 00 — 3 50
Rabbits, tame, per doz.	1 50 — 1 75
Squirrels, per doz	75 — 1 00
Venison	5 — 8

Retail Dairy Market.

The *Dairy market* is not so fully supplied and prices have fallen and Home Stock and Foreign are all steady in price as will be seen by our quotations.

Home made *butter*, our Fresh roll butter is good, but packed butter, there is to much of it poor—while the Eastern butter much of it is not fit to eat, latest importations better.

California *Cheese* is scarce and price advanced.

Eggs are coming in so freely that prices have fallen 30 per cent in a few weeks, and now selling cheap.

Butter, California, Extra Choice per lb	25 — 30
do. do. fair (Cooking) do	20 — 25
do. do. packed best roll	— —
do. do. Eastern	20 — 25
California Eggs, per doz	22½ — 25
Oregon	20 — 25
Duck Eggs, do	20 — 25
Cheese per lb	15 — 20
do. Sage, per lb	25 — 30
Eastern Cheese, do.	25 — 30
Lard, California, per lb	12 — 15
Lard, Eastern, do.	13 — 15
Honey, Comb	15 — 18
do. Strained	10 — 12
Vermont Maple Sugar, per lb	20 — 25

Dairy Produce, Eggs, etc.—Wholesale

The *Wholesale Dairy Market* is quite still, not much coming in in any quantities now, and prices for *Butter* and *Eggs* rule rather low. *Butter* is steady. *Cheese* ditto, and *Eggs* very plenty with large arrivals.

Butter, California, per lb. (Fresh)	18 — 21
do. Packed Roll, do.	— —
Eastern Butter	15 — 18
Cheese, California, per lb	10 — 12
California Eggs, per doz	16 — 20
Eastern Eggs, per doz	16 — 18
Duck Eggs, " "	17 — 20
Lard, per lb., in tins	12½ — 14
Eastern Lard, per lb., in tins	13 — 15

Grain, Wool, Potato Bags, Etc.

The *Bag and Bagging market* is not half as lively as the *Collectors* usually are with *their bags*, they being more anxious to collect and fill *their bags*, than grain growers are to *buy bags*. Prices are only nominal. Supply plenty, sales few, prices, as we have said before, *now* is the best time for grain growers to buy their bags, there are several things in abeyance that will tend to advance the value of bags within the next 60 or 90 days.

The *first* is the workingmen's influence, the Jute Factory is not making bags, and no Chinese at work will keep it closed.

The *second* is higher cost of Bags and Bagging in Europe with a new movement on the part of the English government to prevent grain shipment from this Country in bulk, this will make the demand immense for bags from Calcutta and there is the increase values, to this our large crop in *1880*, and then Bags will be high.

H and Sewed Bags, Standard, 22x36 com. prices	10 — 10½cts
Second Hand, Extra	9 — 9½ do
Machine Sewed, 22 x 36	8½ — 9 do
do. do 20 x 36	8 — 8½ do
Barley Bags, 22 x 40	11 — 11½ do
" " 24 x 30	— 8½ do
" " second hand	45 — 55 do
Wool-sacks, new	30 — 40 do
do second hand	13½ — 14 do
Potatoe Gunnies, Double Sewed	10 — 10½ do
do. do. Second Hand	4½ — 5 do
Flour Bags, quarters	7 — 9 do
do. halfs, six qualities	— —

Staple Home Products.

Our Home Products we are now striving by the growth of new Home Products not grown here in early years, those known as Semi-Tropical, and with such fruits, as with Pecan nuts grown in the Old Southern States, and nuts of all kinds to supply our State and all the Eastern States also, with these products, thus we are making good and rapid progress to that end.

To these products we also add Home made *Raisins* and Home dried *Figs*, and Caned and Preserved *Fruits* of all kind with *Jellies* and *Jams* such as was heretofore imported from Europe, all these California is now producing in large quantities, and will soon stop all Importations, and Export largely.

Flax Seed, per lb	2½— 3
Hemp Seed, per lb	3 — 3½
Castor Beans, per lb	— 1 00
Castor Oil No 1 Diamond in cases, per gallon	— 1 37
" " " barrels "	95
Castor Oil, No. 2 Diamond in cases per gallon	— 95
" " " barrels "	— 1 00
Linseed Oil, Boiled	55
do. Raw	53
Cocoa Oil	16
Hops, California	30
Hops, new	10
Alfalfa	7
Timothy seed	2½
Mustard Seed	3½— 4
English do.	4 — 5
Canary Seed	8 — 10
Coriander Seed	3 — 5
Broom Corn	23 — 25
Bees Wax	— —

California Leather Market Report.

The *Hide, Leather, and Tallow market* is not very active *Leather* is better in *New York*, but a general dull trade here for all these.

California Sole Leather	28 — 33
do. Harness do.	30 — 37½
do. Skirtings,	4½— 5½
Bridle Leather	18 — 22
Rough do. Oak Tanned	50 — 1 00
Waxed Calf Skins	30 00 —65 00
do. Kips do. per dozen	13 — 15
do. Leather per foot	

Wool, Tallow, Hides, Etc.

The *Wool market* is at a stand still, and will be till the new Clip comes, soon new life will be infused in this trade.

Our New York Report from Walter Brown & Co. is a full and valuable Report of that Market, and should be noticed by our Sheep and Wool men.

Wool, Spring Clip, to come, offered	30 — 33
do. Choice Extra	30 — 37½
Fall Clip	28 30
Oregon Wool, per lb	28 — 30
Eastern Oregon	17 — 19
Medium, bright	15 — 13
do. Burry	20 — 25
Goats' Wool (mohair)	18 21
Dry Hides, per lb	7½ — 9
Green Salted, per lb	50 — 90
Bear Skins	25 — 75
Sheep Skins, wool on	1 50 — 5 00
do. do. plain per dozen	50 — 1 00
Goat Skins, each	5 — 5½
Tallow various grades	3½ — 4
Tallow, refined	6½ — 7½

Average Slaughtering Prices.

The *Wholesale Meat Market* has advanced materially are all through the list, *Beef*, *Mutton*, *Lamb*, *Veal*, and *Pork*, and all A no. 1.

Beef, American, 1st. quality	5 — 7½c.
do. do. 2d. do.	5 — 6 do.
do. do 3d. do.	4 — 5 do.
Veal	6 — 8 do
Mutton	4 — 5 do
Lamb (Spring)	8 — 10 do
Pork, Undressed	3½ — 4 do
do. Dressed	5½ — 6 do.

Stands unequaled for ease of team, the Horse-Power real, as shown by the records, with more than one-third less friction than any other. The only machine awarded a

CENTENNIAL MEDAL

at both Horse-Power and Thresher and Cleaner, at the Centennial Exhibition, as shown by Official Report, which says: "Your special features in the Power to secure light running and minimum friction. For the ingenious form of the Straw Shakers, which insures the proper agitation to separate the grain from the straw." For Catalogue, Price List, and full report of trial, address

MINARD HARDER, Cobleskill, Schoharie Co., N. Y.

49:21 1m

Sydney International Exhibition.

ROUND THE WORLD TICKETS.

THE PACIFIC MAIL STEAMSHIP COMP'Y

Will issue **Round the World Tickets,** giving first-class accommodations for the entire route, at the low price of $650. For particulars apply to

WILLIAMS, DIMOND & CO.,
General Agents,
Corner First and Brannan Streets.
49:15

Central Pacific Railroad.

Notice to Shippers.

Please take notice that this Company will maintain, for transaction of business in Oakland, TWO STATIONS, viz:

MARKET STREET AND SIXTEENTH STREET

and to avoid delays we would request shippers to state on receipt, name of station to which freight should be delivered; as to the absence of same all consignments will be taken to Market Street.

J. A. ANTHONY,
San Francisco, Jan. 13, 1879. Agent.

BOOK OF POLITENESS

and list of 1500 pieces of new sheet music, full size at half price, 10 cents, postpaid. J. HEISLEY, Freehold, N. J.
49:3

Will it Bite?

Try and See! 10 cents and stamp fetches the "Critter." It will make you laugh. Remember it is only 10 cents, and stamp. Box 190, Sandwich, Illinois, Mention this paper. 49:18

Remitting Money.

We desire those who Remit us Money, to send it either in Checks on our *Banks here*, or by Post Office Order, or Green backs.

We desire this *specially* of *Newspaper Agents*, or others abroad who send *their Checks* on Home Banks—this occasions delay or expense to us in collecting, while it is just as easy for them to adopt the way we point out, and send us Cash or Currency. These are our terms.

WARREN & CO., Publishers FARMER.

C. P. R. R

OVERLAND TICKET OFFICE,
Oakland Ferry—Foot of Market Street,
COMMENCING
SUNDAY, DEC. 28th, 1879,
AND UNTIL FURTHER NOTICE,
TRAINS AND BOATS WILL LEAVE
SAN FRANCISCO.

7:30 A. M., Daily—Local Passenger Train via Oakland, Niles, Livermore and Stockton, arriving at Sacramento at 1 40 P.M., and connecting with Atlantic Express. Connects at Niles with trains arriving at San Jose at 10:30 A. M., and at Galt with train for Ione.

7:30 A. M., Daily—Local Passenger Train via Oakland to Martinez and Antioch. Connects at Vallejo Junction for Vallejo, Napa (Stages for Sonoma,) St. Helena, (White Sulphur Springs, and Calistoga and (Stages for Geysers.) Sunday Excursion Tickets, at Reduced Rates, to San Pablo Vallejo, Benicia and Martinez.

9:30 A. M., Daily, Atlantic Express Train via Oakland and Benicia for Sacramento, Colfax, Reno, (Virginia City,) Battle Mountain, (Austin,) Palisade (Eureka,) Ogden, Omaha and East. Connects at Davis, Sundays excepted, for Woodland, Williams and Willows. Connects at Sacramento daily with the Oregon Express for Marysville, Chico, Red Bluff and Redding (Stages for Portland, Oregon.)

10:00 A. M. Daily, Local Passenger Train via Oakland, to Haywards and Niles.

3:00 P. M., Daily Local Passenger Train, via Oakland and Niles, arriving at San Jose at 5:25 P. M.

3:00 P. M., Daily Local Passenger Train via Oakland for Martinez and Antioch.

4:00 P. M., Daily Arizona Express via Oakland and Martinez for Lathrop (and Stockton,) Merced, Madera, (Yosemite and Big Trees,) Visalia, Summit, Mojave, Newhall (San Buenaventura and Santa Barbara,) Los Angeles, Santa Monica, Wilmington, Santa Ana (San Diego,) Colton and Yuma (Colorado River Steamers,) connecting direct with Daily Trains of the Southern Pacific Railroad of Arizona for Maricopa (Stages for Phœnix and Prescott,) and for Casa Grande, 182 miles east form Yuma, (Stages from Florence, Tuscon and Tombstone.) Sleeping cars between Oakland, Los Angeles and Yuma.

Connects, Sundays excepted, at Vallejo Junction for Vallejo Napa, St Helena and Calistoga.

4:00 P. M., Sundays excepted—Sacramento Steamer from (Washington-street Wharf), for Benecia and Landings on the Sacramento River

4:00 P. M. Daily Through, Third Class Train, via Oakland, Martinez and Lathrop for Los Angeles and points to Arizona.

4:30 P. M. Daily Local Passenger Train via Oakland and Benicia, for Sacramento. Connects daily, except Sundays, at Davis with Local train for Woodland and Knight's Landing and at Sacramento with the "Virginia Express" for Reno, Carson, and Virginia. Sleeping Cars (except Sundays) Oakland to Carson.

4:30 P. M. Daily Local Passenger Train via Oakland for Haywards, Niles, and Livermore.

Public Conveyances for Mills Seminary connects at Seminary Park Station with all Trains, Sundays excepted.

5:00 P. M. Daily Overland Emigrant Train via Oakland Benicia, and Sacramento, for Ogden, Omaha and the East.

Connections for Vallejo made at Vallejo Junction from Trains leaving San Francisco 7:30 A. M., 9:30 A. M., 3:00 P. M., 4:00 P. M., and 4:30 P. M.

OAKLAND AND ALAMEDA FERRY.

FROM SAN FRANCISCO TO OAKLAND.

"Daily"—6:10, 7:00, 7:30, 8:00, 8:30, 9:00, 9:30 10:00, 10:30, 11:00, 11:30, 12:00, A. M.; 12:30, 1:00, 1:30, 2:00, 3:00, 3:30, 4:00, 4:30, 5:00, 5:30, 6:00 6:30, 7:00, 8:10, 9:20, 10:30, P. M.

"Daily, except Sundays" 6:10 A. M. and 11.45 P. M.

FROM SAN FRANCISCO TO ALAMEDA.

"Daily"—7 00, 8:00, 9:00 10:00, 11:00, 12:00 A. M.; 1:30, 2:00, 3:00, 4:00, 5:00, 6:00, 7:00, 8:10, 10:30, 11.45 P. M.

"Sundays excepted, "—8:00, 7:00, 8:10, 11.45 P. M.

FROM SAN FRANCISCO TO FERNSIDE.

"Daily, except Sundays"—7:00, 9:00 10:00 A. M.; 5:00 P. M.

FROM SAN FRANCISCO TO BROOKLYN.

"Daily"—6:10, 7:30, 8:30, 9:30, 10:30, 11:20, A. M. 12:30, 1.00, 3:30, 4:30, 5:30, 6:30, 7:00, 8:10, 9:20, 10:30, 11 45 P. M.

"Daily, except Sunday"—6:10, A. M. and 11:45 P. M.

FROM SAN FRANCISCO TO NILES.

"Daily"—7.30, 10:00, A. M. 3:00, 4:30 P. M.

FROM SAN FRANCISCO TO SAN JOSE.

"Daily" 7:30 A. M. 3:00 P. M.

FROM SAN FRANCISCO TO BERKELEY.

"Daily"—7:30, 8:30, 9:30, 10:30, 11:30 A. M. 1:00, 3:00, 4:00, 5:00, 6:00, 9:30 P. M.

FROM SAN FRANCISCO TO DELAWARE ST.

"Daily"—6 10, 8:00, 10:00, 12:00 A. M. 1:30, 2.30 3:30, 4 30, 5:30, 6:30 P. M

"Sundays excepted," 6:10 A. M. 6:30 P. M.
Change Cars at West Oakland.

FROM DELAWARE ST. TO SAN FRANCISCO.

"Daily"—5:40, 6:30, 8:00, 10:00 12:00 A. M. 1:30, 3:30 4:30, 5:30, 6:30 P. M.

"Sundays excepted," 5.40 6:30 A. M. 6:30 P. M.

FROM BERKELEY TO SAN FRANCISCO.

"Daily"—5:40, 6:30, 7:30, 8:30, 9:30, 10,30, 11:30 A. M. 1:00, 3:00, 4:30, 5:30 6:00 P. M.
Change Cars at West Oakland.

FROM SAN JOSE TO SAN FRANCISCO.

"Daily"—7.10, A. M. 1:30, P.M.

FROM NILES TO SAN FRANCISCO.

"Daily"—7:00, 8:00, A. M. 2:25, 3:51, P. M.

FROM BROOKLYN TO SAN FRANCISCO.

"Daily" 5:10, 5:50, 6:40, 7:40, 8:40, 9:40, 10:40 A. M. 12:40, 1:25, 2:40, 4:40, 5:40, 6:40, 7:50, 9:00 10:10 P. M.

"Daily, except Sundays"—5:10 and 5.50.

FROM FERNSIDE TO SAN FRANCISCO.

"Daily except Sundays"—8:00, 10:00, 11:00 A. M., 6:00 P. M.

FROM ALAMEDA TO SAN FRANCISCO.

"Daily"—5:00, 5:40, 6:25, 7 00, 8:03, 9:00, 10:03, 11:03, 12 00 A. M.; 1:00, 3:00, 3:20, 4:03, 5:00, 6:03, 7:20, 8:30, 10:00 P. M.

"Daily, except Sundays"—6:00, 5:40, A. M., 7:20, 8.30 P. M.
Alameda Passengers change cars at Oakland.

FROM OAKLAND TO SAN FRANCISCO.

"Daily"—5.20, 6:00, 6.50, 7 20, 7.50, 8:25, 8.50, 9:20, 9:50, 10 20, 10:50 11:20, 11 50 A. M.; 12:20, 12:50, 1:20, 1.50, 2:50, 3 20, 3.50, 4:20, 4.50, 5:20, 5 50, 6:25, 6:50, 8:00, 9:10 10:20 P. M.

"Daily, except Sundays"—5.20, 6:00, A. M.

T. H. GOODMAN,
General Passenger and Ticket Agent.

A. N. TOWNE,
General Superintendent.

Southern Pacific Railroad.

NORTHERN DIVISION.

WINTER ARRANGEMENT.

Commencing Friday, Nov 21, 1879,

(AND UNTIL FURTHER NOTICE.)

PASSENGER TRAINS WILL LEAVE SAN FRANCISCO from Passenger Depot on Townsend Street, between Third and Fourth Streets as follows:

8.30 A. M., *Daily* for San Jose and Way Stations. ☞Stages for Pescadero (via San Mateo) connect with this train only.

10.30 A. M. *Daily* for San Jose, Gilroy, Hollister, Tres Pinos, Pajaro, Castroville, Monterey, Salinas, Soledad and all Way Stations. ☞AT PAJARO the SANTA CRUZ, R. R. connects with this train for Aptos, Soquel and Santa Cruz. At CASTROVILTE change cars for Monterey. ☞Stage connections made with this train. (Pescadero Stages via San Mateo excepted.)

3.30 P. M. *Daily Sundays excepted* for San Jose, Gilroy, and principal Way Stations.

4.30 P. M. *Daily Sundays excepted* for San Jose and Way Stations.

8.30 P. M. *Daily* for Menlo Park and Way Stations.

☞The *extra Sunday trains* to San Jose and Way Stations have been discontinued for the Winter Season.

SECOND-CLASS FARE.

Between San Francisco and San Jose, - - $1.00

☞On Freight Trains only, leaving *San Francisco* at 4:00 A. M., and *San Jose* at 8.30 P. M. (daily Sundays excepted)

☞Principal Ticket Office—Passenger Depot, Townsend Street. Branch Ticket Office—No. 2 New Montgomery Street, Palace Hotel.

A. C. BASSETT, Superintendent. H. R. JUDAH, Ass't Passenger and Ticket Agent.

1854. 1880.

THE

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FOR 1880.

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California Farmer.
1880.

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The FARMER and HARPER'S MONTHLY	3 50
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The FARMER and HARPER'S BAZAR	3 50
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